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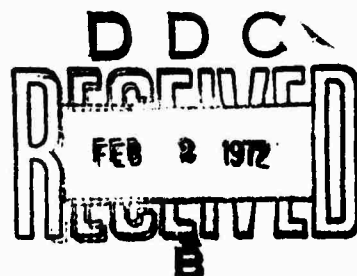
ARPA ORDER NO.: 189-1

R-915-ARPA

November 1971

Global Climatic Data for Surface, 800 mb, 400 mb: January

C. Schutz and W. L. Gates



A Report prepared for
ADVANCED RESEARCH PROJECTS AGENCY

Rand
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1. ORIGINATING ACTIVITY The Rand Corporation		2a. REPORT SECURITY CLASSIFICATION UNCLASSIFIED	
		2b. GROUP	
3. REPORT TITLE GLOBAL CLIMATIC DATA FOR SURFACE, 800 mb, 400 mb: JANUARY			
4. AUTHOR(S) (Last name, first name, initial) Schutz, C., W. L. Gates			
5. REPORT DATE November 1971		6a. TOTAL NO. OF PAGES 182	6b. NO. OF REFS. 16
7. CONTRACT OR GRANT NO. DAHCl5 67 C 0141		8. ORIGINATOR'S REPORT NO. R-915-ARPA	
9a. AVAILABILITY/LIMITATION NOTICES DDC-A		9b. SPONSORING AGENCY Advanced Research Projects Agency	
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PREFACE

Meteorological studies suggest that technologically feasible operations might trigger substantial changes in the climate over broad regions of the globe. Depending on their character, location, and scale, these changes might be both deleterious and irreversible. If a foreign power were to bring about such perturbations either overtly or covertly, either maliciously or heedlessly, the results might be seriously detrimental to the security and welfare of this country. So that the United States may react rationally and effectively to any such actions, it is essential that we have the capability to: (1) evaluate all consequences of a variety of possible actions that might modify the climate, (2) detect trends in the global circulation that presage changes in the climate, either natural or artificial, and (3) determine, if possible, means to counter potentially deleterious climatic changes. Our possession of this capability would make incautious experimentation unnecessary, and would tend to deter malicious manipulation. To this end, the Advanced Research Projects Agency initiated a study of the dynamics of climate to evaluate the effect on climate of environmental perturbations. This Rand Report is a technical contribution to this larger study.

An important part of the Rand/ARPA research program on the dynamics of climate is the evaluation of the accuracy of simulations of the global climate given by numerical solutions of models of the general atmospheric circulation. To perform this evaluation systematically requires a knowledge of the global distribution of the common climatic variables such as pressure, temperature, humidity, wind, and precipitation, together with the associated distributions of the elements of the global radiation and hydrologic balances. Such data, we have discovered, are not readily available, and even those that are obtainable are usually in a variety of forms and not immediately comparable to other climatic data.

The data presented in this Report are the result of an attempt to gather in one place and in a common format the best available global climatological data on selected meteorological variables for the month of January. As such, they represent the first part of a set of seasonal data being compiled for a Global Climatic Atlas.

SUMMARY

From selected climatological data sources the January global distribution of pressure, temperature, wind, and moisture is reconstructed for the surface, 800 mb, and 400 mb. These data are supplemented by presentations of the global distributions of cloudiness, evaporation, precipitation, and selected elements of the surface heat balance. All data are presented on a global grid of 4° latitude by 5° longitude and are given in the form of both tabulated values and machine-analyzed maps.

ACKNOWLEDGMENTS

Sincere appreciation is extended to those at the National Climatic Center of the National Oceanic and Atmospheric Administration (NOAA), the National Center for Atmospheric Research (NCAR), and the Environmental Technical Applications Center (ETAC) of the Air Force, who cooperated in making available the latest magnetic tapes of surface and upper-air data for this special analysis. Thanks are also due Marsha Dade, Mikki Fujisaki, Esperanza Rodriguez, Bob Mobley, and Al Nelson of Rand, for their work in processing these tapes and reducing the data to its desired form.

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1. INTRODUCTION

The data presented in this Report describe the global distribution of the primary climatic elements of pressure, temperature, wind, and moisture, together with a number of components of the surface heat balance. Both smoothed and unsmoothed data were gathered and processed for use in the evaluation of climate simulation experiments made with numerical general circulation models. The present Report, however, is a response to the recognition that these data may also be useful as a climatic summary in their own right.

A primary purpose of the present compilation of data is to present the "observed" January distribution of those meteorological variables simulated by the two-level atmospheric model of Mintz and Arakawa [see Mintz (1968) and Arakawa (1970)]. This model simulates the wind, temperature, and geopotential at two tropospheric levels, which for our purposes may be regarded as the 400-mb and 800-mb levels, and also the moisture distribution at the lower (800-mb) level. At the earth's surface the model simulates the pressure, the surface air temperature, and the ground temperature, together with the elements of the surface heat balance, including the net radiation flux, the latent heat flux associated with surface evaporation, and the surface flux of sensible heat. The model also simulates elements of the hydrologic balance, including cloudiness, precipitation, and ground wetness. A documentation of this model for use in the Rand research program on climate dynamics is in preparation (Gates et al., 1971).

In spite of a search for the best possible data, the January global distribution of each of these variables was not readily available in the climatic literature. Those variables that were available at the surface, at 800 mb, and at 400 mb are summarized in Table 1.1, which also serves as a guide to the Report's sources of information, maximum period of record, maps, and data tabulations. In most cases the 800-mb and 400-mb data had to be interpolated at the 4° latitude, 5° longitude grid of the Mintz-Arakawa model from the various formats of unsmoothed data in the taped data sources, whereas most of the surface data were visually interpolated from analyses published in atlases. A global analysis of each

Table 1.1

IDENTIFICATION OF SELECTED CLIMATIC VARIABLES FOR JANUARY

Data or Variable	Units	Sources	Max Record	Level ^a	
				Surface	800 mb 400 mb
Sea-level pressure	mb	1) Crutcher and Meserve (1970) 2) Taljaard, <i>et al.</i> (1969)	1931-1960 1929-1967	14,40,68-71	
Temperature (air)	deg C	1) Crutcher and Meserve (1970) 2) Taljaard, <i>et al.</i> (1969)	1931-1960 1929-1967	15,41,72-75	26,53,120-123 60,148-151
Temperature (sea surface)	deg C	Washington and Thiel (1970)		16,42,76-79	
Geopotential height	10 ² m	1) Crutcher and Meserve (1970) 2) Taljaard, <i>et al.</i> (1969)	1950-1964 1948-1966		27,54,124-127 34,61,152-155
Relative humidity	%	1) Crutcher and Meserve (1970) 2) Taljaard, <i>et al.</i> (1969)	1931-1960 1929-1967	17,43,80-83	28,55,128-131
Cloudiness	Fractions	1) Environmental Technical Applications Center (1971) 2) Miller, <i>et al.</i> (1970)	1963-1968 - 1967-1970 -	18,44,84-87 19,45,88-91	
Precipitation	mm day ⁻¹	Academy of Sciences, USSR (1964)	1950-1956 (?)	20,46-47,92-99	
Evaporation	mm day ⁻¹	Budyko (1963)	1955-1960 (?)	21,48,100-103	
Solar radiation absorbed	10 ² ly day ⁻¹	Budyko (1963)	1955-1960 (?)	22,49,104-107	
Radiation balance	10 ² ly day ⁻¹	Budyko (1963)	1955-1960 (?)	23,50,108-111	
Sensible heat flux	10 ly day ⁻¹	Budyko (1963)	1955-1960 (?)	24,51,112-115	
Heat balance	10 ² ly day ⁻¹	Based on Budyko (1963)	1955-1960 (?)	25,52,116-119	
Wind (east-west)	m sec ⁻¹	Crutcher (1961)	1948-1953		29,56,132-135 35,62,156-159
Wind (north-south)	m sec ⁻¹	Crutcher (1961)	1948-1953		30,57,136-139 36,63,160-163
Geostrophic wind (east-west)	m sec ⁻¹	1) Crutcher and Meserve (1970) 2) Taljaard, <i>et al.</i> (1969)	1931-1960 1929-1967		31,58,140-143 37,64,164-167
Geostrophic wind (north-south)	m sec ⁻¹	1) Crutcher and Meserve (1970) 2) Taljaard, <i>et al.</i> (1969)	1931-1960 1929-1967		32,59,144-147 38,65,168-171

^aThe three numbers in the right-hand columns are the page numbers of the global map analyses, the zonally averaged data, and the global data tabulations, respectively.

variable selected is given in Section 3, together with a tabulation of the associated grid-point data in Section 5. Exceptions are the observed winds, for which only northern-hemisphere data are presently available in adequate quantity. Geostrophic wind analyses are included, however, for both the northern and southern hemispheres, in an effort to present an approximation to the global wind pattern for January. For each of the data distributions shown in Section 3, the corresponding distribution of the zonal averages is given in Section 4, along with the global average value. Further details of the data selection and processing are given below. In the grid-point data tabulations of Section 5 the asterisk (*) denotes missing data; these regions correspond to the blank or "no data" areas on the analyzed maps and zonal averages of Sections 3 and 4.

2. DATA SELECTION AND PROCESSING

The processing or manipulation of each primary source of the mean January data identified in Table 1.1 is briefly described below. After a careful review of all known sources of pertinent data, it was concluded that the sources used here represent the best collection of "global" data possible at the present time, at least for the purpose of comparison with the model's global simulations. Further discussion of the observational content, special processing, and limitations of these data (including various record lengths) are given in the data publications themselves. Although the remarks made below refer to the data of Figs. 3.1 through 3.24, they also apply to the corresponding zonally averaged data of Figs. 4.1 through 4.24, as well as to the supporting grid-point data tabulation of Tables 5.1 through 5.24.

A. SURFACE DATA

The surface and sea-level meteorological data shown in Sections 3, 4, and 5 are based upon unsmoothed data extracted from magnetic tapes containing the January averages for the northern and southern hemispheres in the publications NAVAIR 50-1C-52 (Crutcher and Meserve, 1970) and NAVAIR 50-1C-55 (Taljaard et al., 1969). A linear interpolation was applied to the 5° latitude tabulated data to generate data every 4° latitude beginning at the poles, while the 5° longitude data presentation was left intact.

1. Pressure, Temperature, and Relative Humidity

The sea-level pressure (Fig. 3.1), the surface air temperature (Fig. 3.2), and the surface dew-point temperature were taken from these sources. The dew point was then converted to relative humidity (RH) by the formula

$$RH = \frac{e^A(p - 6.11 \text{ mb } e^B)}{e^B(p - 6.11 \text{ mb } e^A)} \quad (1)$$

where p is the (total) air pressure (in mb) and the parameters A and B are given by

$$A = 17.269 T_d (T_d + 237.3 \text{ deg C})^{-1} \quad (2)$$

$$B = 17.269 T (T + 237.3 \text{ deg C})^{-1} \quad (3)$$

with T_d the dew-point temperature (in deg C) and T the air temperature (in deg C). The resulting surface relative humidity distribution is shown in Fig. 3.4.

The global distribution of the January average sea-surface temperature as shown in Fig. 3.3 is based upon the data contained in the NCAR publication of the monthly averages (Washington and Thiel, 1970). The NCAR data were extrapolated by at most 2.5° in the direction of land or ice (interpolated in some cases of small islands or narrow peninsulas), and then transferred to the present 4° latitude, 5° longitude grid by interpolation. This extrapolation and interpolation was done by Dr. R. C. Alexander at Rand. The lowest sea temperature in the NCAR data was 0 deg C.

2. Cloudiness

The distribution of total cloud cover as shown in Fig. 3.5A was constructed from the digitized representation of both satellite and conventional observations compiled by the Global Weather Central for ETAC (1971). These data were collected at 0000Z and 1200Z, and were compiled for this presentation in terms of the total cloud cover C from the formula

$$C = \sum_{N=0}^8 \frac{C_{00,N} + C_{12,N}}{2} \frac{N}{8} \quad (4)$$

where $C_{00,N}$ and $C_{12,N}$ are the percentage of the 00Z and 12Z observations which have N -eighths cloud cover. These digitized cloud data

appear on the GWC (Global Weather Central) grid. This is a square grid with octagonal boundaries superimposed on a polar stereographic projection, with a southern boundary at approximately 15°N. Equations from Scientific Services Technical Note #1 (1962) were used to transform the latitude and longitude of each of the 46 × 72 points of the present grid to the coordinates in the GWC grid, followed by a bi-linear interpolation using the four nearest GWC grid values.

Since the northern-hemisphere data of Fig. 3.5A contain all modern cloud observations, during both day and night hours, it is considered the best representation of northern-hemisphere total cloud cover available. In an effort to obtain global coverage, however, Fig. 3.5B was constructed from a digitized representation of the sun-oriented TIROS data of Miller (1970) and Miller et al. (1970). These computer-rectified data give the mean daytime cloudiness at approximately 1400 local sun time. Since they compare favorably with the gross features in Fig. 3.5A associated with storm tracks, anticyclones, and the inter-tropical convergence zone, they are presented as an extension of these data into the southern hemisphere. Since the present satellite observations do not effectively discriminate between clouds and highly reflective ground surfaces such as ice, snow, and desert, the Miller data presented here contain systematic errors when interpreted in terms of cloud cover. Nevertheless, they probably represent the best cloud-cover data now available in the southern hemisphere.

3. Precipitation

The global distribution of the annual precipitation shown in Fig. 3.6A was interpolated by hand on a 5° latitude-by-5° longitude grid from the Academy of Sciences, USSR (1964) publication. A linear interpolation was then applied to the 5° latitude data to generate the 4° latitude data required.*

* Figure 3.6B has not been reproduced here because stratification resulted from Jacobs's (1968) method of apportionment, which was for each 10° of latitude; there was no means of determining how to eliminate the stratification.

In an effort to obtain data more descriptive of the northern-hemisphere winter, the mean global precipitation for December-January-February was derived from these data, and is shown as a zonal average in Fig. 4.6B. This was accomplished by expanding the seasonal apportionment of precipitation for the ocean between 60°N and 60°S given by Jacobs (1968) (see Table 2.1). Jacobs's apportionment for 50° to 60°N and for 50° to 60°S was extended unchanged to the poles for the Atlantic (75W-25E) and Pacific (110E-75W) sectors, as were the apportionments for the Indian Ocean (25E-110E) for 20° to 30° N and 40° to 50°S to fill out the global grid. This seems consistent with the January influence of the strong Siberian high which gives most of Asia a comparatively dry winter season [Kendrew (1963), Schutz (1967)]. Because this approach uses only Jacobs's ocean apportionment, the values over land would not give a true winter representation of precipitation were this procedure used over the globe. At certain latitudes in the northern hemisphere the zonal average will be systematically in error. For example, amounts would be low in the extreme southwestern United States and between the eastern Mediterranean and the Persian Gulf, where most of the annual precipitation is recorded during the winter season. In the southern hemisphere, because of the greater expanse of ocean, discrepancies over land are less noticeable in the zonal average (Fig. 4.6B).

4. Evaporation

The January mean surface evaporation shown in Fig. 3.7 was drawn from data interpolated from those of Budyko (1963). We note that there are very few isopleths over the land in the northern hemisphere, since there the evaporation is generally ≤ 10 mm. The rapid increase of evaporation across the shoreline, however, produces a packing of the isopleths, especially along the eastern coasts of the continents. In the southern hemisphere, January is the middle of the wet season, and the surface evaporation over land is therefore more comparable with that over ocean. In mountainous areas in both hemispheres, the evaporation isopleths are interrupted by the lack of data.

Table 2.1

APPORTIONMENT OF PRECIPITATION (IN PERCENT)
BY 10° LATITUDE ZONES (JACOBS, 1968)
DECEMBER-JANUARY-FEBRUARY

	Atlantic Ocean	Pacific Ocean	Indian Ocean
Latitude	DJF	DJF	DJF
50°-60°N	28	20	--
40°-50°N	31	25	--
30°-40°N	33	31	--
20°-30°N	27	29	13
10°-20°N	25	18	10
0°-10°N	22	24	22
0°-10°S	28	33	27
10°-20°S	22	32	30
20°-30°S	23	24	24
30°-40°S	18	18	17
40°-50°S	20	22	22
50°-60°S	26	24	--

5. Radiation and Heat Balance

The January solar radiation received at the earth's surface, shown in Fig. 3.8, was interpolated onto the 4° latitude, 5° longitude grid from the data of Budyko (1963). The breaks in the isopleths over land are caused by the mountainous areas for which no radiation data were available.

The January surface radiation balance shown in Fig. 3.9 and the surface sensible heat flux shown in Fig. 3.10 are also based upon interpolations from the data of Budyko (1963), and, like Fig. 3.8, show a lack of data in mountainous and polar regions. The distribution of the January surface heat balance shown in Fig. 3.11 was constructed by subtracting the interpolated data for the surface sensible heat flux (Fig. 3.10) and that for the heat lost by surface evaporation (proportional to the data of Fig. 3.7) from the data for the surface radiation balance (Fig. 3.9). This latter quantity is itself the excess of the solar radiation absorbed at the surface over the net long-wave radiation lost by the surface.

B. UPPER-AIR DATA

1. Temperature and Relative Humidity

The values for the free-air temperature and the dew point represent unsmoothed information drawn from the data tapes supporting the two NAVAIR publications by Crutcher and Meserve (1970) and Taljaard et al. (1969) that were used above for the surface observations. Specifically, the mean January temperature at 800 mb, as shown in Fig. 3.12, was computed by linear interpolation from the data for 850 mb and 700 mb. The 400-mb January temperature distribution shown in Fig. 3.19 was constructed by a similar interpolation between the data at 500 mb and 300 mb. The resulting 800-mb and 400-mb data were then interpolated horizontally onto the 4° latitude, 5° longitude grid.

The relative humidity distribution for 800 mb shown in Fig. 3.14 was computed from the dew point and pressure according to Eqs. (1) through (3), where the 800-mb dew point was itself found from linear interpolation between the taped dew-point data for 850 mb and 700 mb.

2. Height

The heights for the 800-mb and 400-mb surfaces shown in Figs. 3.13 and 3.20 were found from the heights of the 850-mb and 500-mb surfaces, respectively, as well as from the values of the temperature at 850, 700, 500, and 300 mb, as shown below. If \bar{T} is an average temperature, the height of an isobaric surface z relative to that at a reference surface z_0 may be written from an integration of the hydrostatic equation as

$$z - z_0 = \frac{R\bar{T}}{g} \ln (p_0/p) \quad (5)$$

where R is the gas constant, g the acceleration of gravity, and p_0 the reference isobaric surface. Selecting 850 mb and 500 mb as reference surfaces, we then have for the 800- and 400-mb heights the relations

$$z_{800} = z_{850} + 1.480 \text{ m deg}^{-1} T_{850} + 0.296 \text{ m deg}^{-1} T_{700} + 484.9 \text{ m} \quad (6)$$

$$z_{400} = z_{500} + 4.843 \text{ m deg}^{-1} T_{500} + 1.695 \text{ m deg}^{-1} T_{300} + 1784.9 \text{ m} \quad (7)$$

Here the subscripts denote evaluation at pressure surfaces and the temperatures are in deg C [with the last terms representing the conversion to deg K as in Eq. (5)]. Specifically, the mean temperature between 850 and 800 has been written as $\left(\frac{5}{6} T_{850} + \frac{1}{6} T_{700}\right)$, and the mean temperature between 500 and 400 mb as $\left(\frac{3}{4} T_{500} + \frac{1}{4} T_{300}\right)$, corresponding to the assumption of a temperature distribution linear in pressure between 850 and 700 mb and between 500 and 300 mb, respectively.

3. Winds

The distribution of the observed winds at 800 mb and 400 mb shown in Figs. 3.15, 3.16, 3.21, and 3.22 were obtained by interpolation from the data published by Crutcher (1961) in the form of mean January cross sections, with subsequent linear interpolation onto the present grid.

These data are given for the northern hemisphere only, in view of the scarcity of even seasonally averaged wind data in the southern hemisphere. To alleviate this, the average January geostrophic winds at both 800 mb and 400 mb were computed from the data of Crutcher and Meserve (1970) and Taljaard et al. (1969), and are shown in Figs. 3.17, 3.18, 3.23, and 3.24. It may be noted that the observed and geostrophic winds agree well in the northern hemisphere at both the 800-mb and 400-mb levels.

The wind in the Mintz-Arakawa model is computed on a "u,v grid" whose points are centered within the primary or pressure grid used for the other calculations. Values at the u,v grid points were found through a bilinear interpolation of the source data so that the first value falls at 88N, 177.5W, rather than at 90N, 180W. Because of this staggered wind grid the maps of the zonal and meridional wind components should be offset 2 degrees south and 2.5 degrees east of the indicated grid. The latitude marked 90N thus indicates 88N in Figs. 3.15 through 3.18, 3.21 through 3.24, 4.15 through 4.18, and 4.21 through 4.24, while there is no wind defined at the latitude marked 90S.

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3. GLOBAL CLIMATIC ANALYSIS

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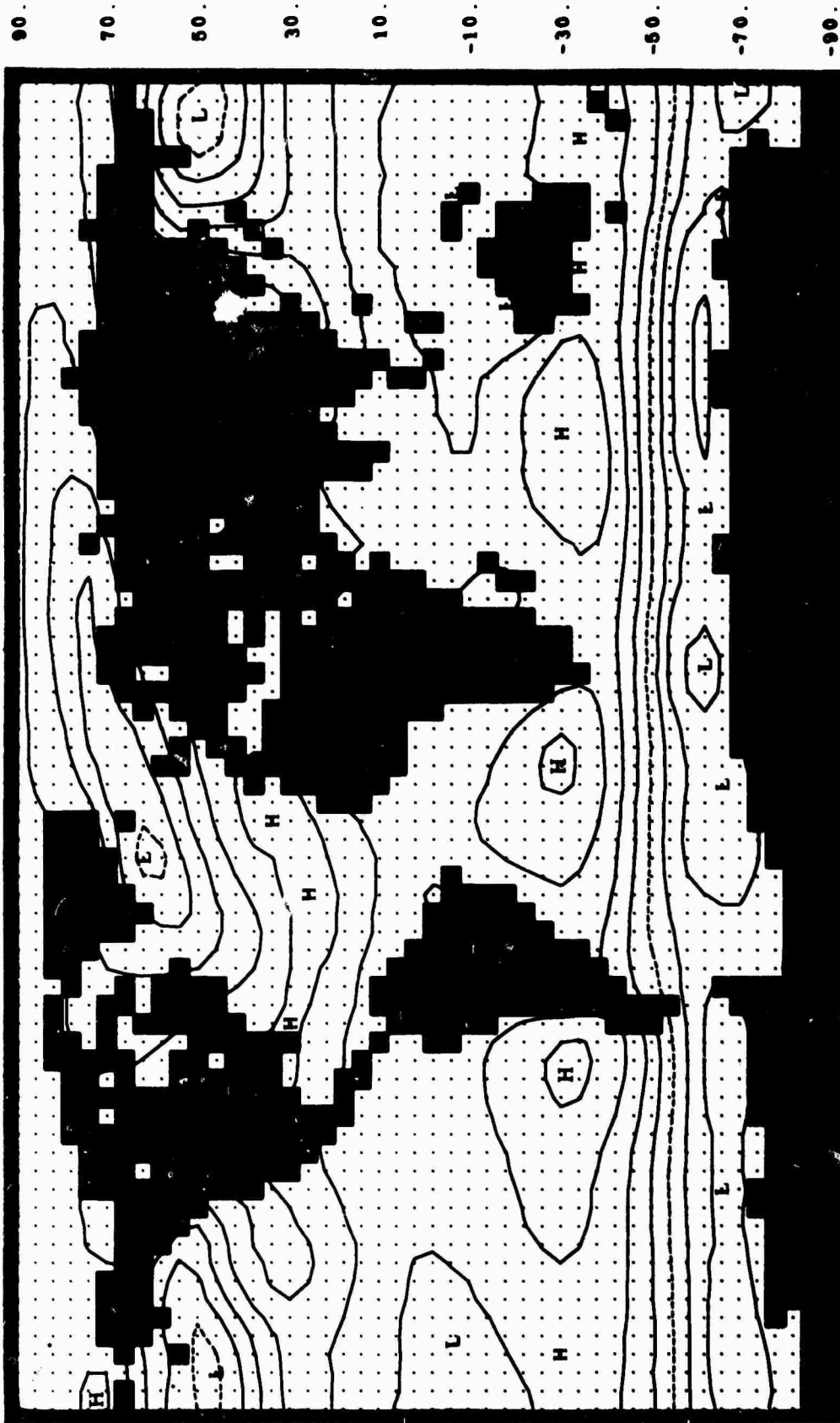


Fig. 3.1 -- Mean January sea-level pressure in mb. The analysis interval is 5 mb and the 1000-mb isobar is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).



Fig. 3.2 -- Mean January surface air temperature in deg C. The analysis interval is 5 deg and the 0 deg C isotherm is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

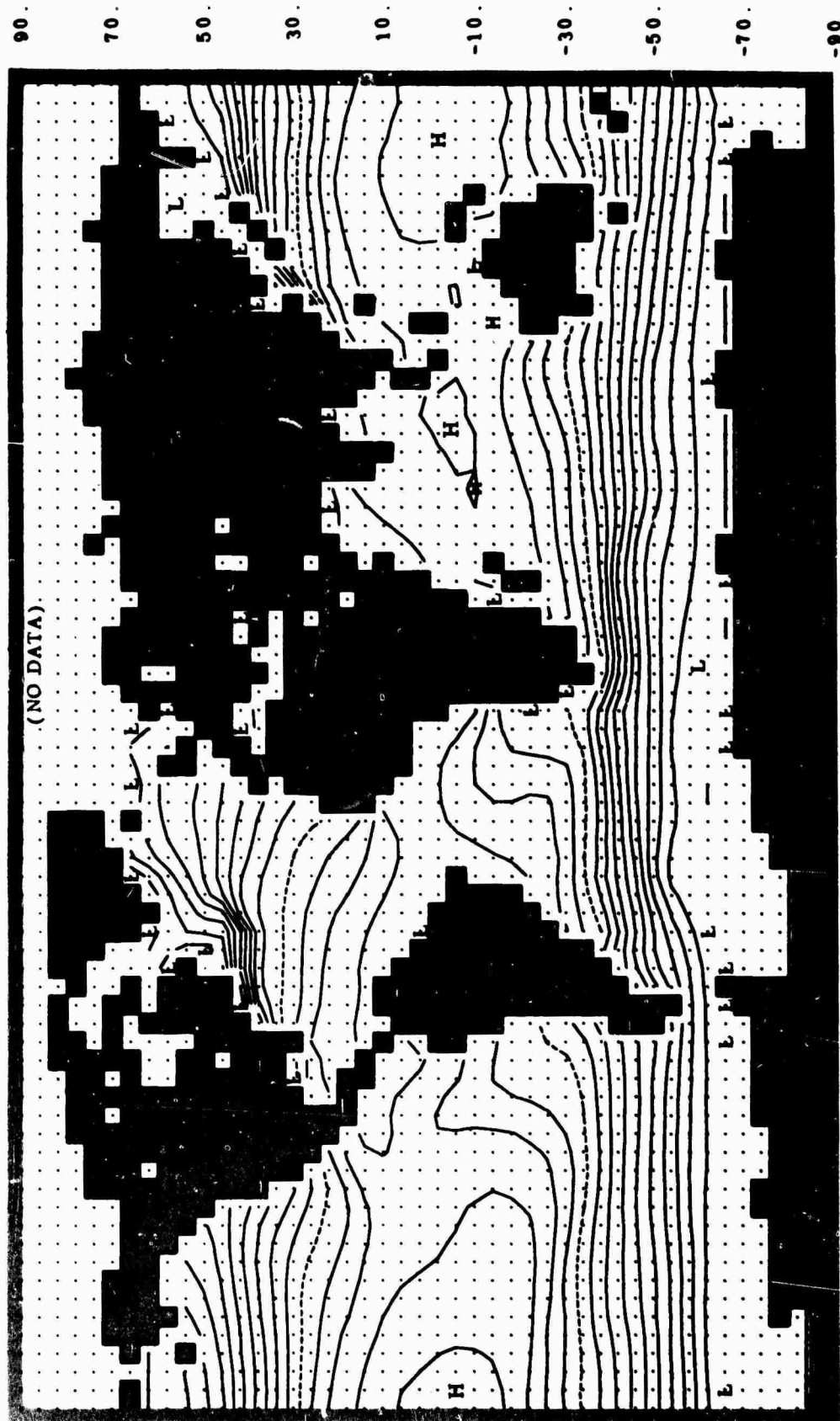


Fig. 3.3 -- Mean January sea-surface temperature in deg C. The analysis interval is 2 deg and the 20-deg C isotherm is dashed. Reduced from data of Washington and Thiel (1970).



Fig. 3.4 -- Mean January surface relative humidity in percent. The analysis interval is 20 percent and the 60-percent isohumet is dashed. Computed from dew-point data of Crutcher and Meserve (1970) and Taljaard et al. (1969).



Fig. 3.5A -- Mean January total cloud cover (northern hemisphere only) in fraction of the sky covered. The analysis interval is 0.1 and the 0.5 isoline is dashed. Prepared from data from the Environmental Technical Applications Center (1971).



Fig. 3.5B -- Mean January total cloud cover in fraction of the sky covered. The analysis interval is 0.1 and the 0.5 isoline is dashed. Reduced from data of Miller et al. (1970).

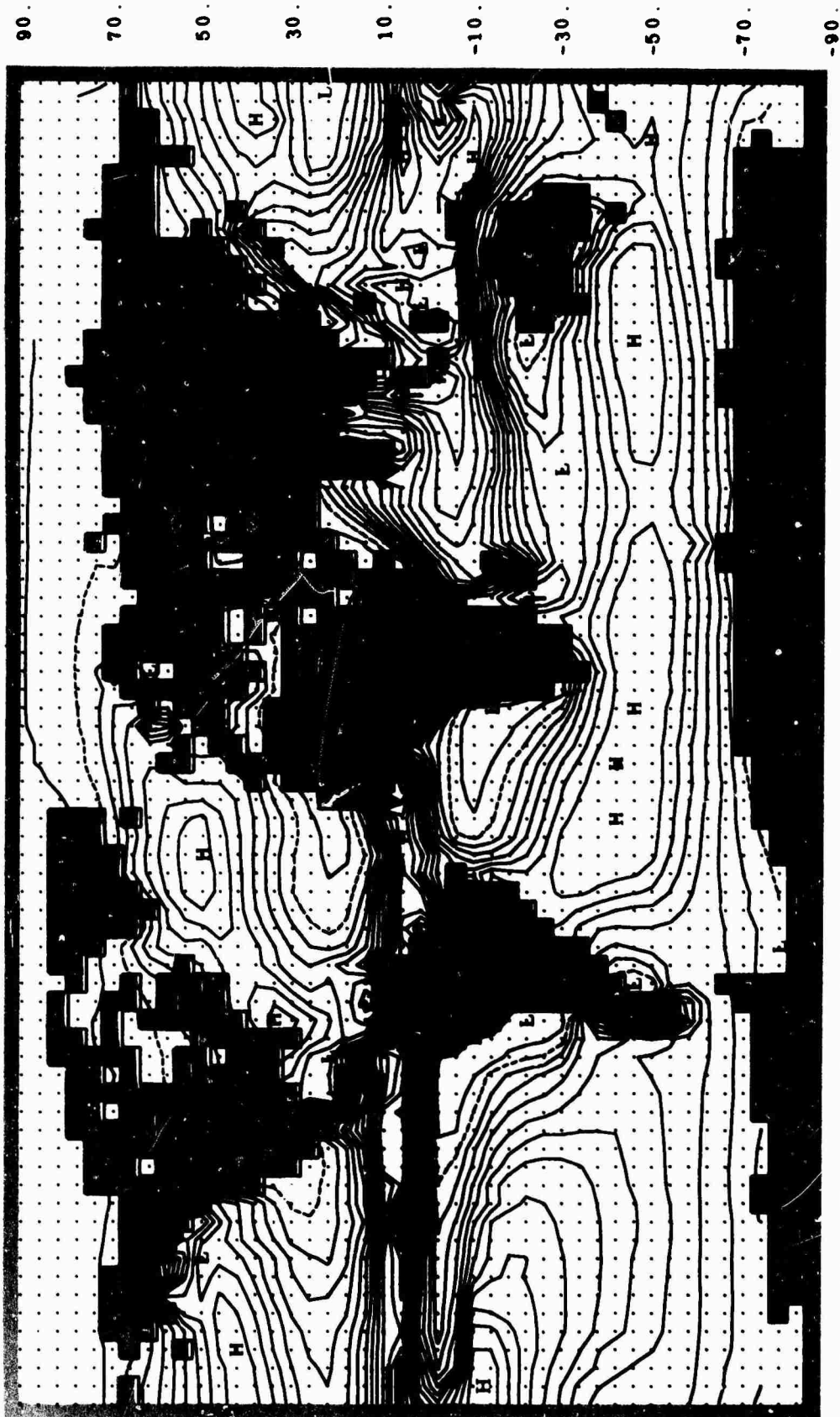


Fig. 3.6A --- Mean annual precipitation in mm/day. The analysis interval is 0.5 mm and the 1.0 mm isoline is dashed. Data from the Academy of Sciences, USSR (1964) publication.

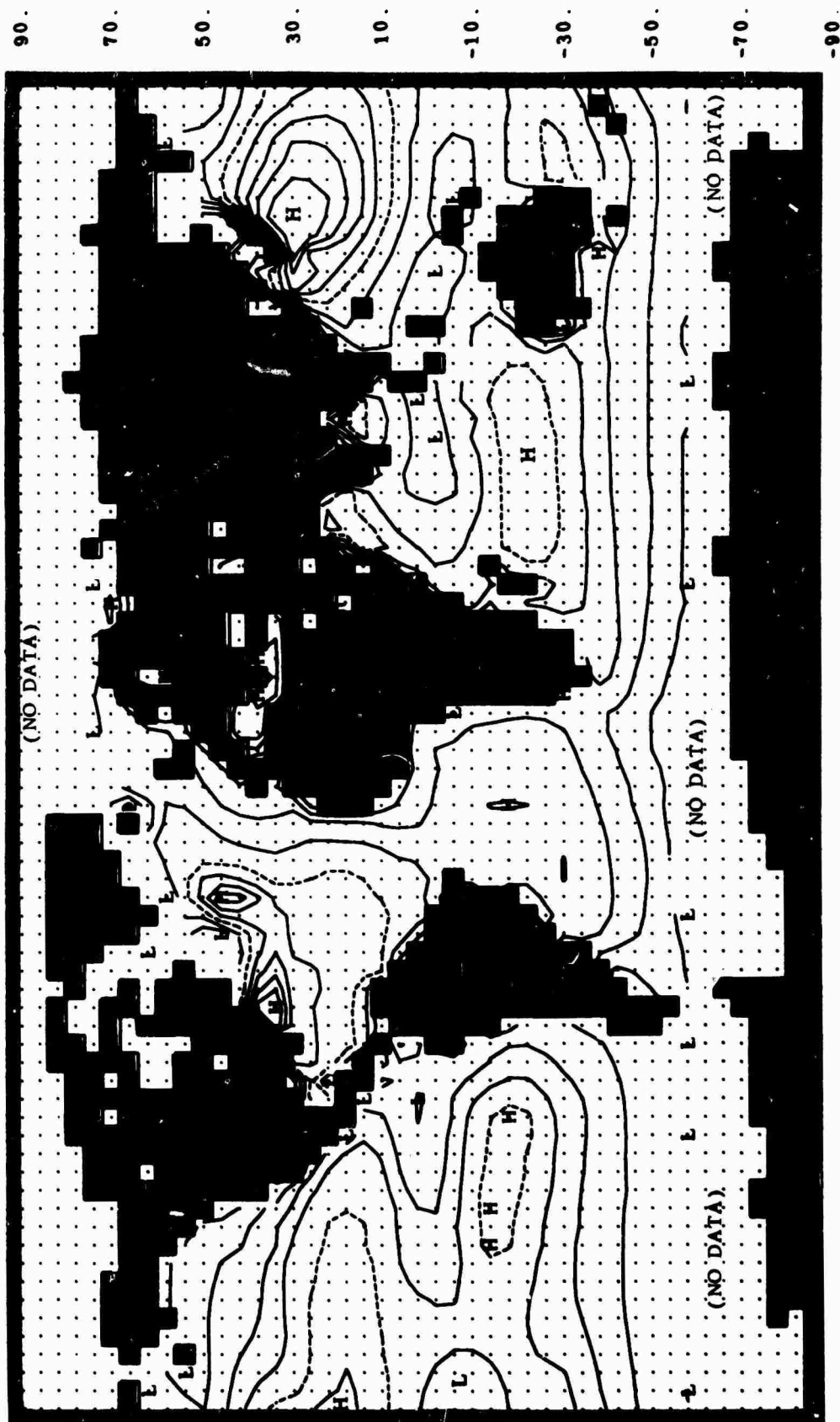


Fig. 3.7 -- Mean January surface evaporation in mm/day. The analysis interval is 1.0 mm and the 5.0 mm isoline is dashed. Data from Budyko (1963).

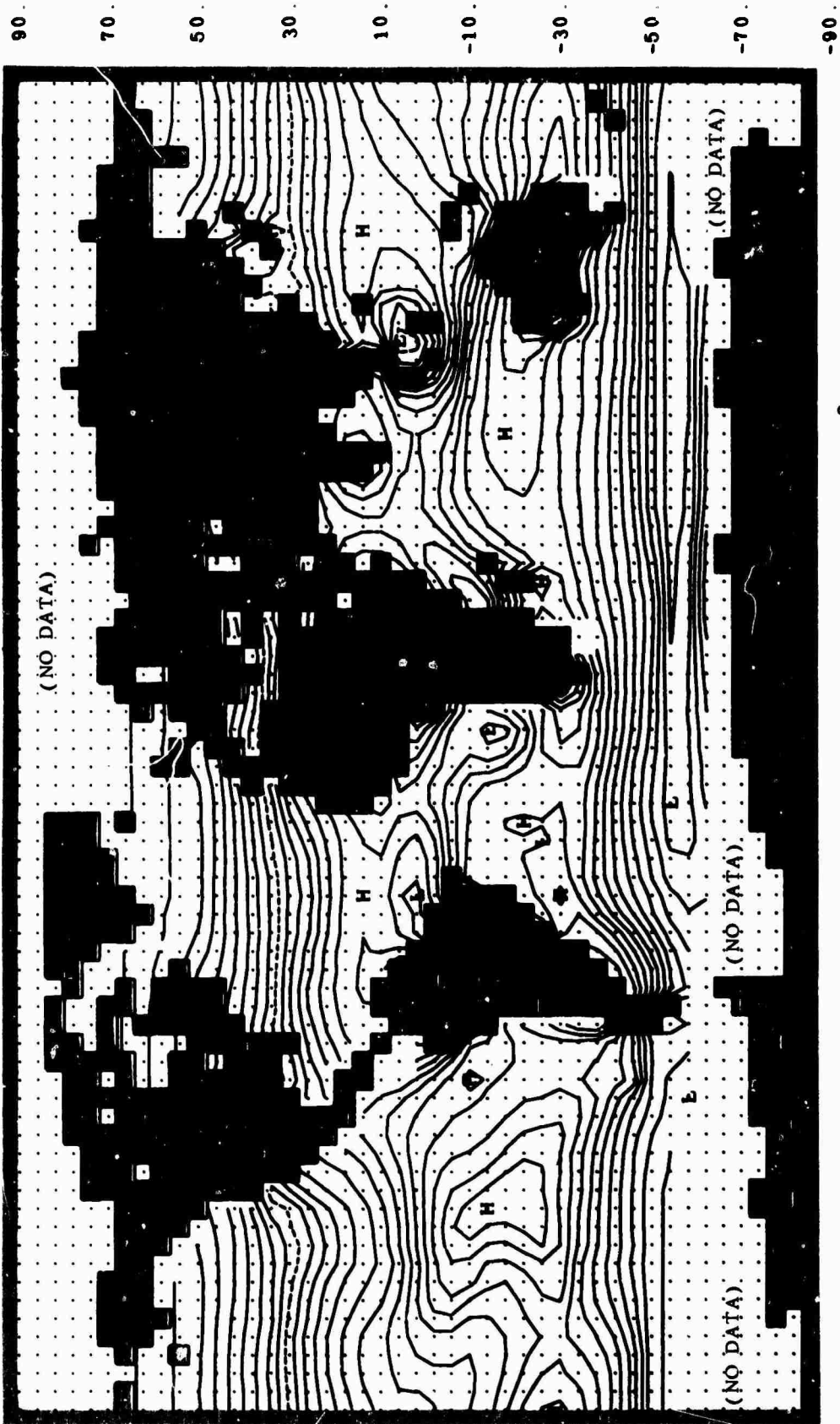


Fig. 3.8 -- Mean January solar radiation received at the surface in 10^2 ly/day. The ana-
interval is 25 ly/day and the 250 ly/day isoline is dashed. Data from Budyko (1963).

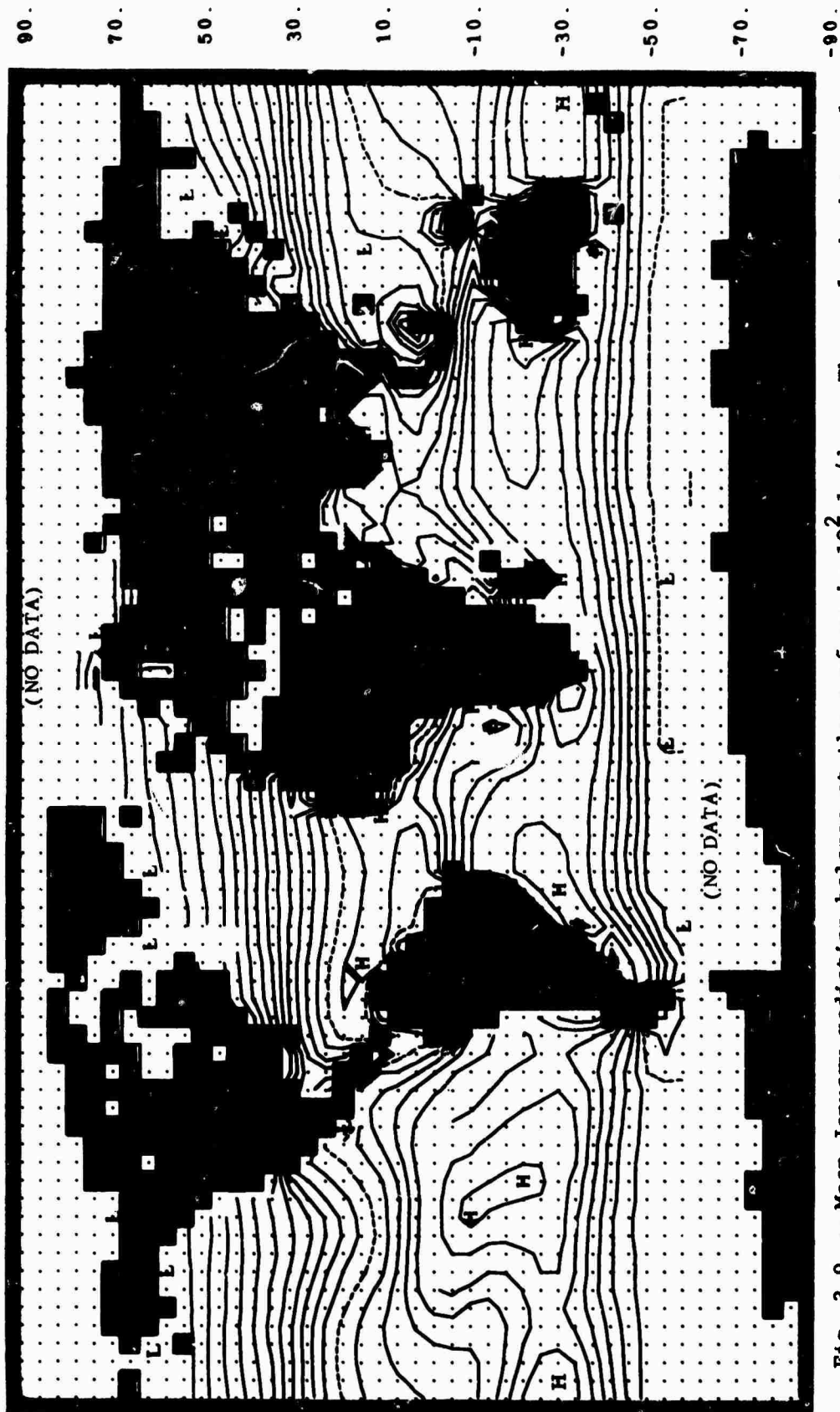


Fig. 3.9 -- Mean January radiation balance at the surface in 10^2 ly/day. The analysis interval is 25 ly/day and the 250-ly/day isoline is dashed. A positive value denotes a short-wave energy surplus. Data from Budyko (1963).

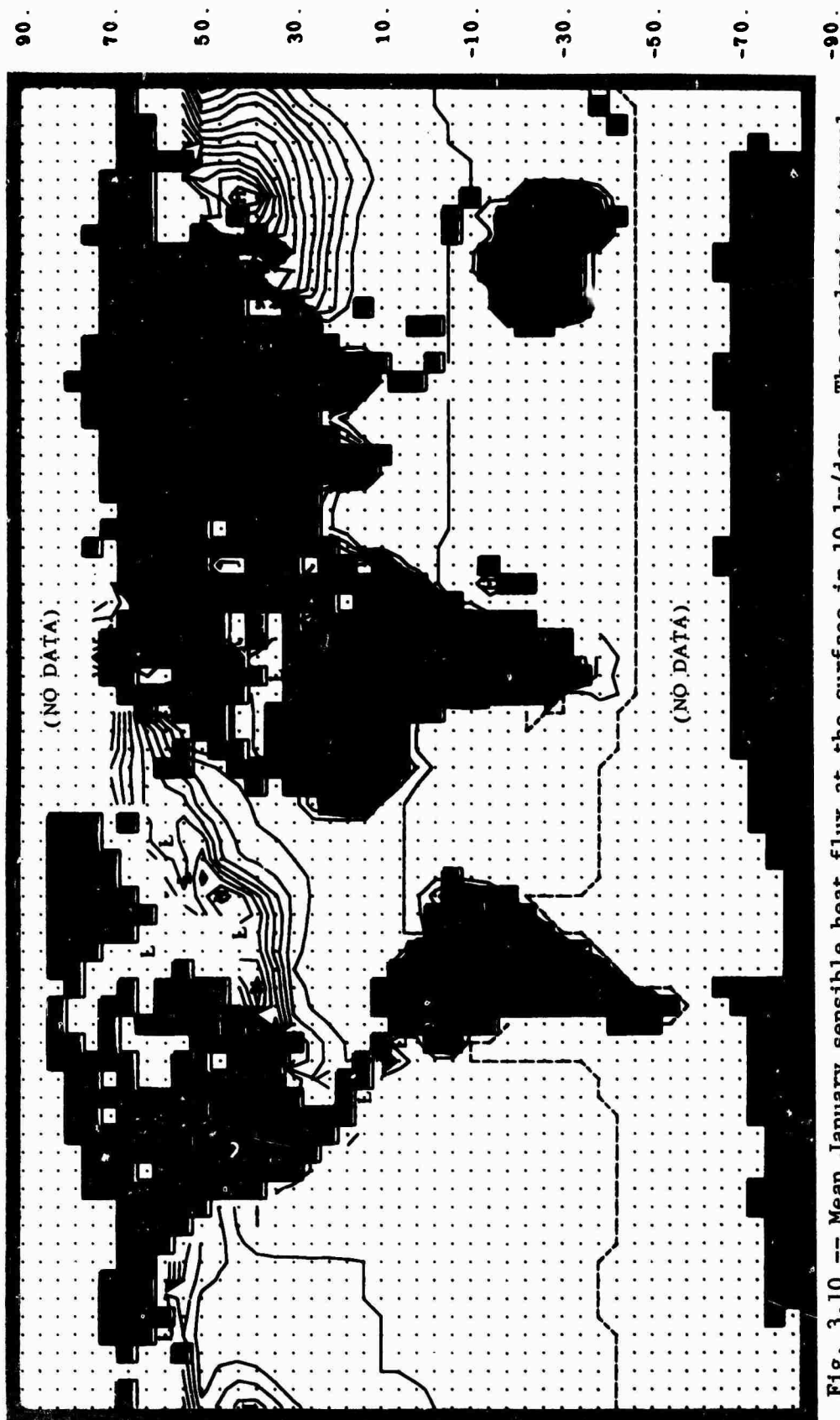


Fig. 3.10 -- Mean January sensible heat flux at the surface in 10 ly/day. The analysis interval is 20 ly/day and the 0 isoline is dashed. A positive value denotes an upward flux. Data from Budyko (1963).

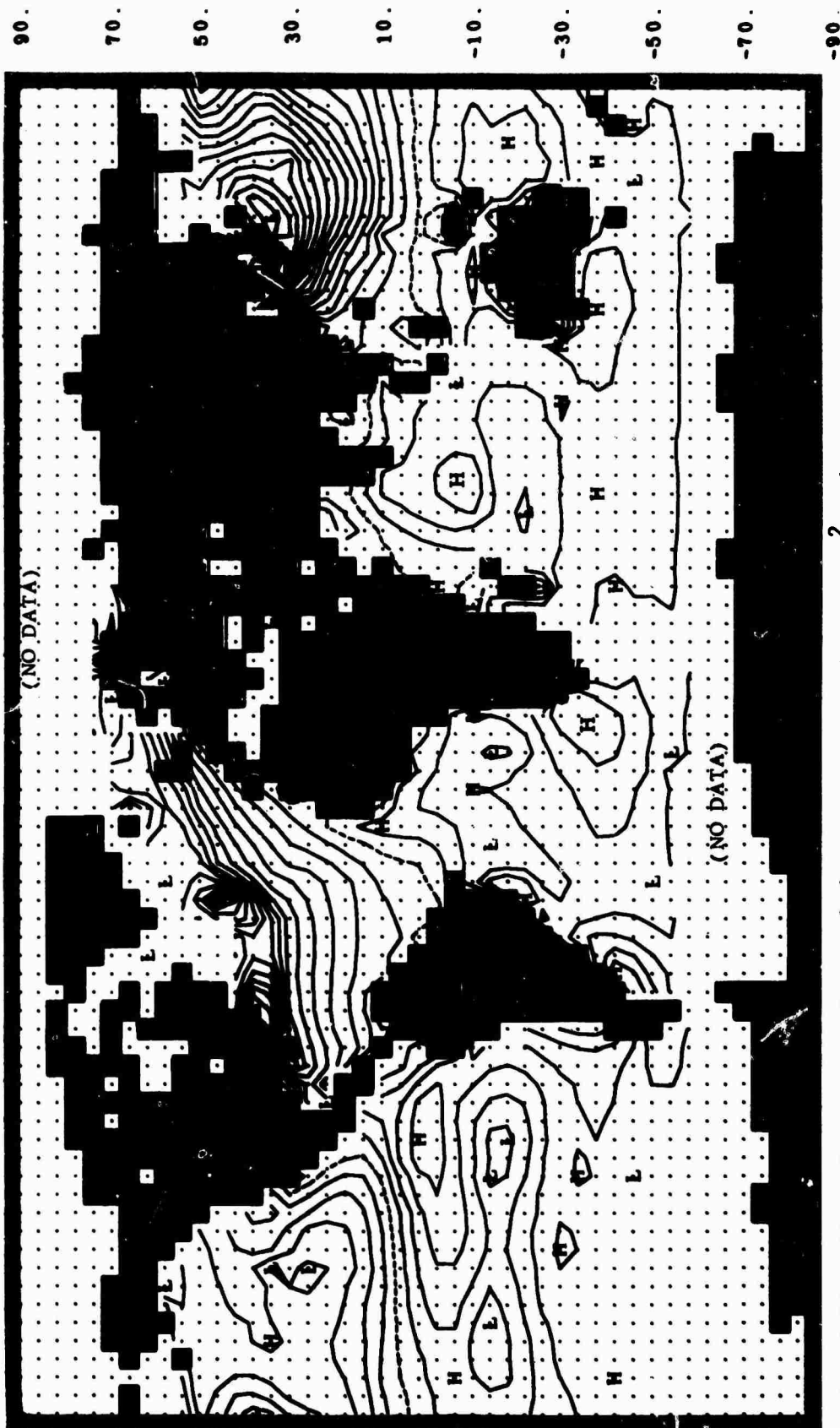


Fig. 3.11 -- Mean January total heat balance at the surface in 10^2 ly/day. The analysis interval is 50 ly/day and the 0 isoline is dashed. Computed from data of Budyko (1963). A positive value denotes a radiative heat surplus over the losses due to sensible heat flux and evaporation.



Fig. 3.12 -- Mean January temperature at 800 mb in deg C. The analysis interval is 5 deg C and the 0-deg C isotherm is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

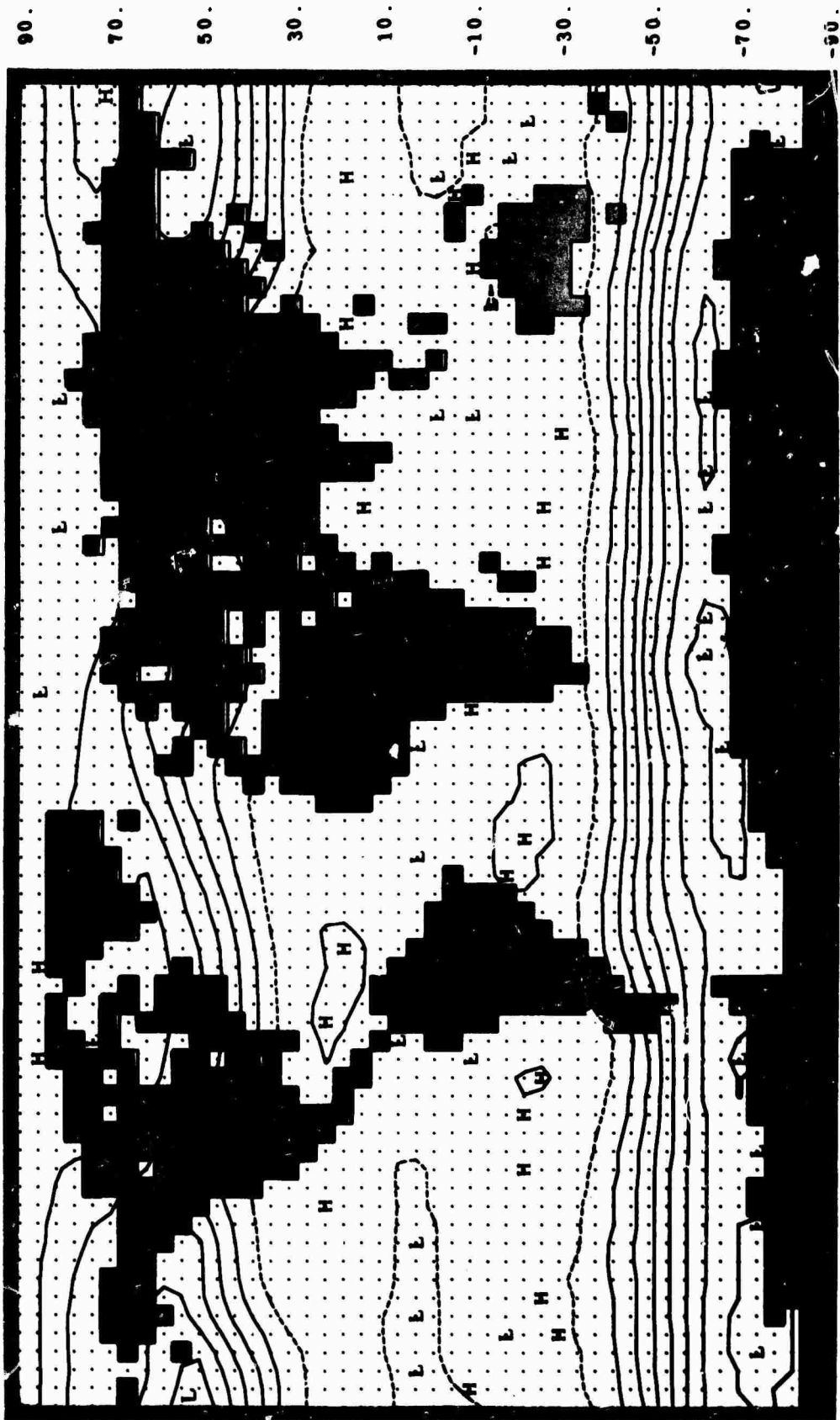


Fig. 3.13 --- Mean January geopotential height at 800 mb in 10 m. The analysis interval is 50 m and the 2000-m contour is dashed. Reduced from data of Crutcher and Meserve (1970) and Taijaard et al. (1969).

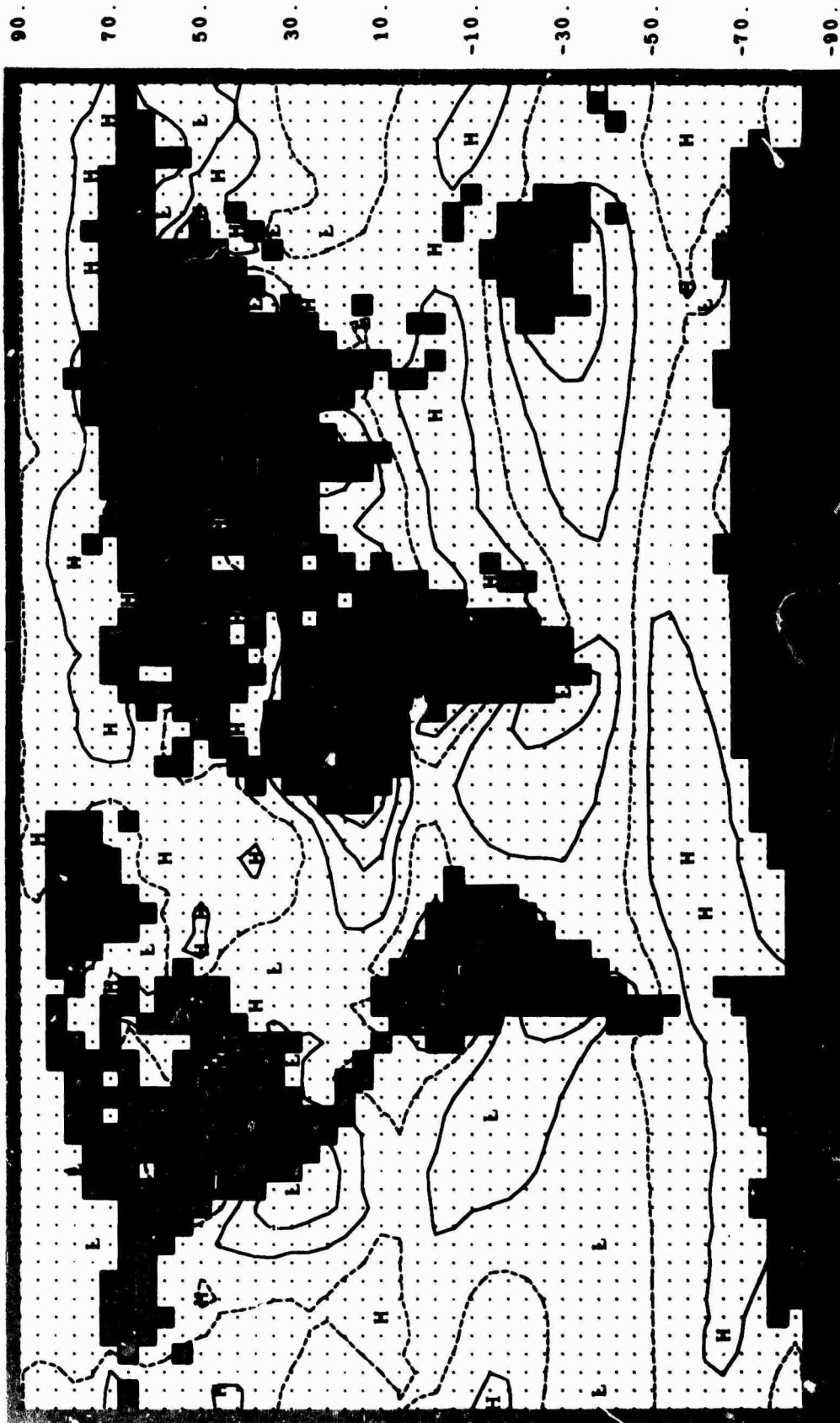


Fig. 3.14 -- Mean January relative humidity at 800 mb in percent. The analysis interval is 10 percent and the 60-percent isohume is dashed. Computed from dew-point data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

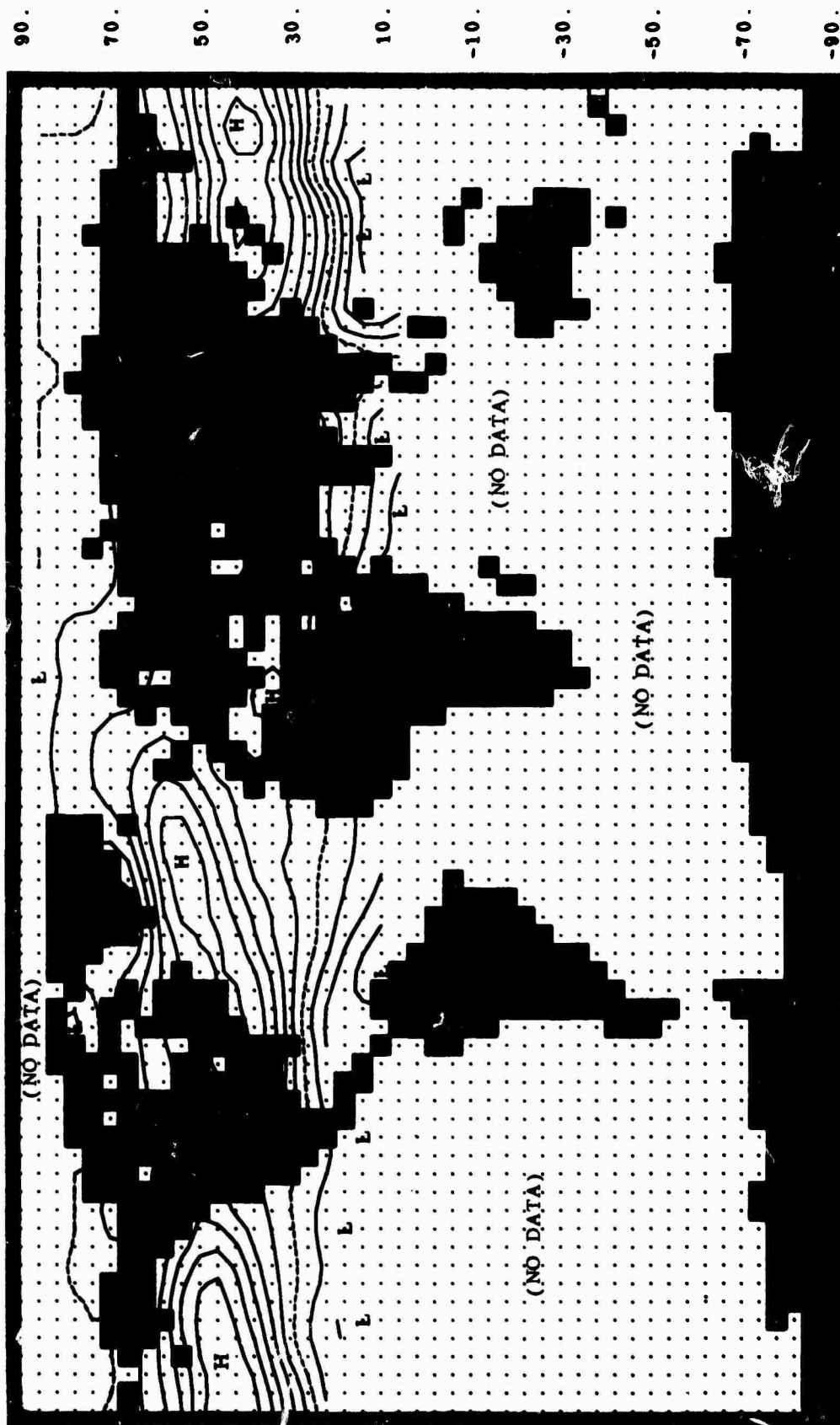


Fig. 3.15 -- Mean December-January-February zonal wind at 800 mb (northern hemisphere only) in m sec^{-1} . The analysis interval is 2.0 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind toward the east. Data from the cross-sections of Crutcher (1961).



Fig. 3.16 -- Mean December-January-February meridional wind at 800 mb (northern hemisphere only) in m sec⁻¹. The analysis interval is 2.0 m sec⁻¹ and the 0 isoline is dashed. A positive value denotes wind toward the north. Data from the cross-sections of Crutcher (1961).

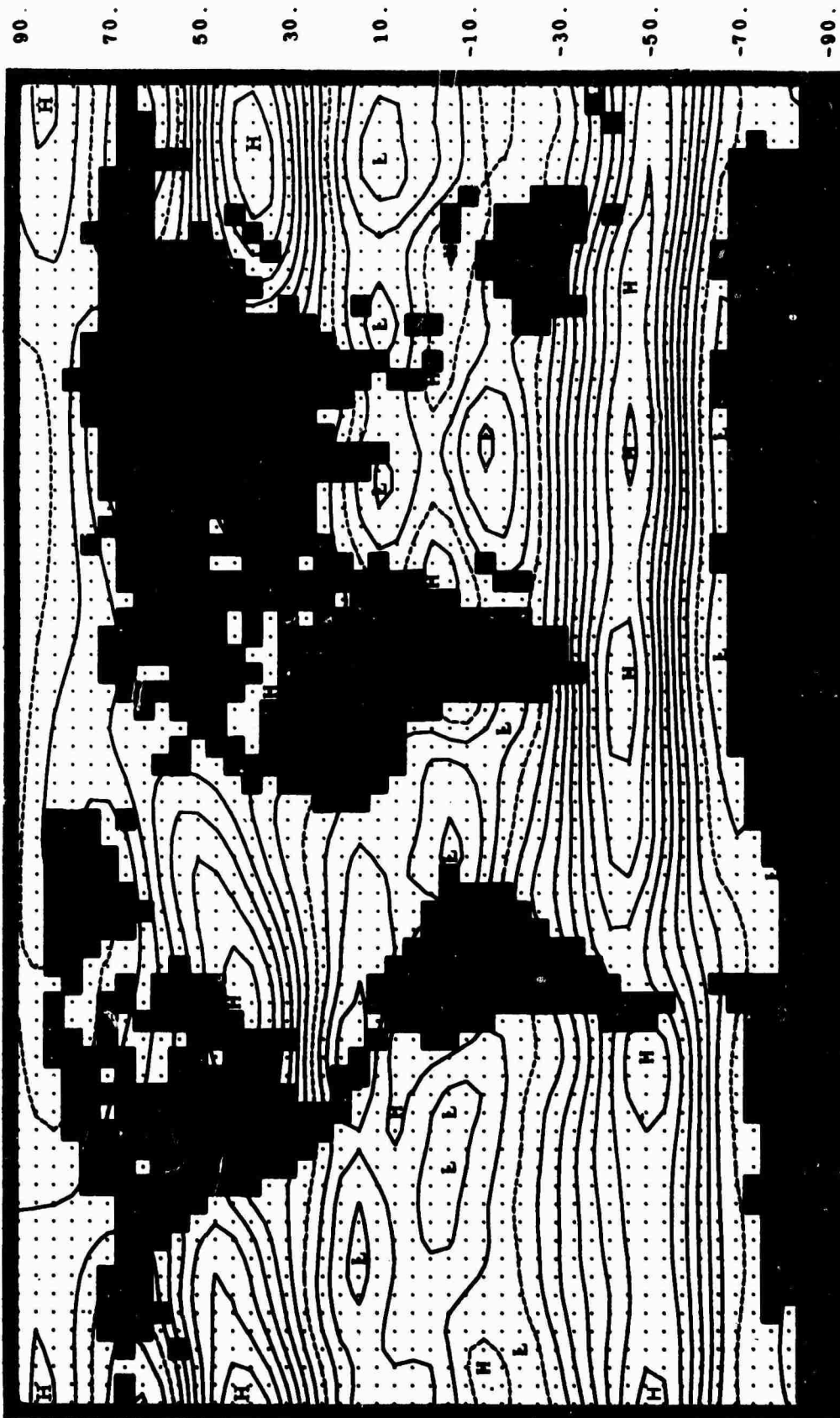


Fig. 3.17 -- Mean January zonal geostrophic wind at 800 mb in m sec^{-1} . The analysis interval is 2.0 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind toward the east. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).



Fig. 3.18 -- Mean January meridional geostrophic wind at 800 mb in m sec^{-1} . The analysis interval is 2.0 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind toward the north. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

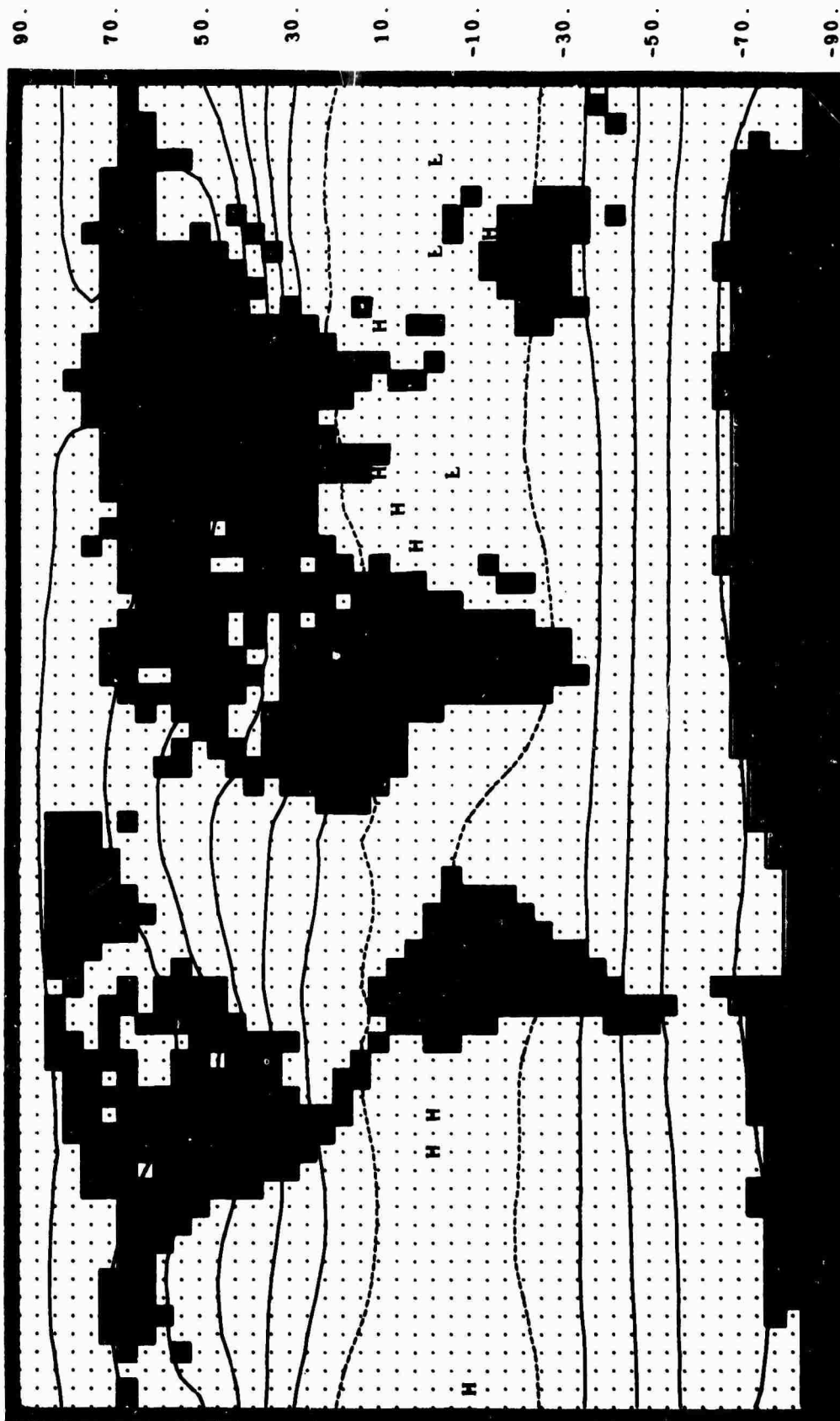


Fig. 3.19 -- Mean January temperature at 400 mb in deg C. The analysis interval is 5 deg C and the -20-deg C isotherm is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).



Fig. 3.20 -- Mean January geopotential height at 400 mb in 10^2 m. The analysis interval is 100 m and the 7000-m contour is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).



Fig. 3.21 -- Mean December-January-February zonal wind at 400 mb (northern hemisphere only) in m sec^{-1} . The analysis interval is 5 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind toward the east. Data from the cross-sections of Crutcher (1961).



Fig. 3.22 -- Mean December-January-February meridional wind at 400 mb (northern hemisphere only) in m sec⁻¹. The analysis interval is 2.0 m sec⁻¹ and the 0 isoline is dashed. A positive value denotes wind toward the north. Data from the cross-sections of Crutcher (1961).



Fig. 3.23 -- Mean January zonal geostrophic wind at 400 mb in m sec^{-1} . The analysis interval is 5 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind toward the east. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).



Fig. 3.24 -- Mean January meridional geostrophic wind at 400 mb in m sec^{-1} . The analysis interval is 2.5 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind toward the north. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

4. ZONALLY AVERAGED DATA

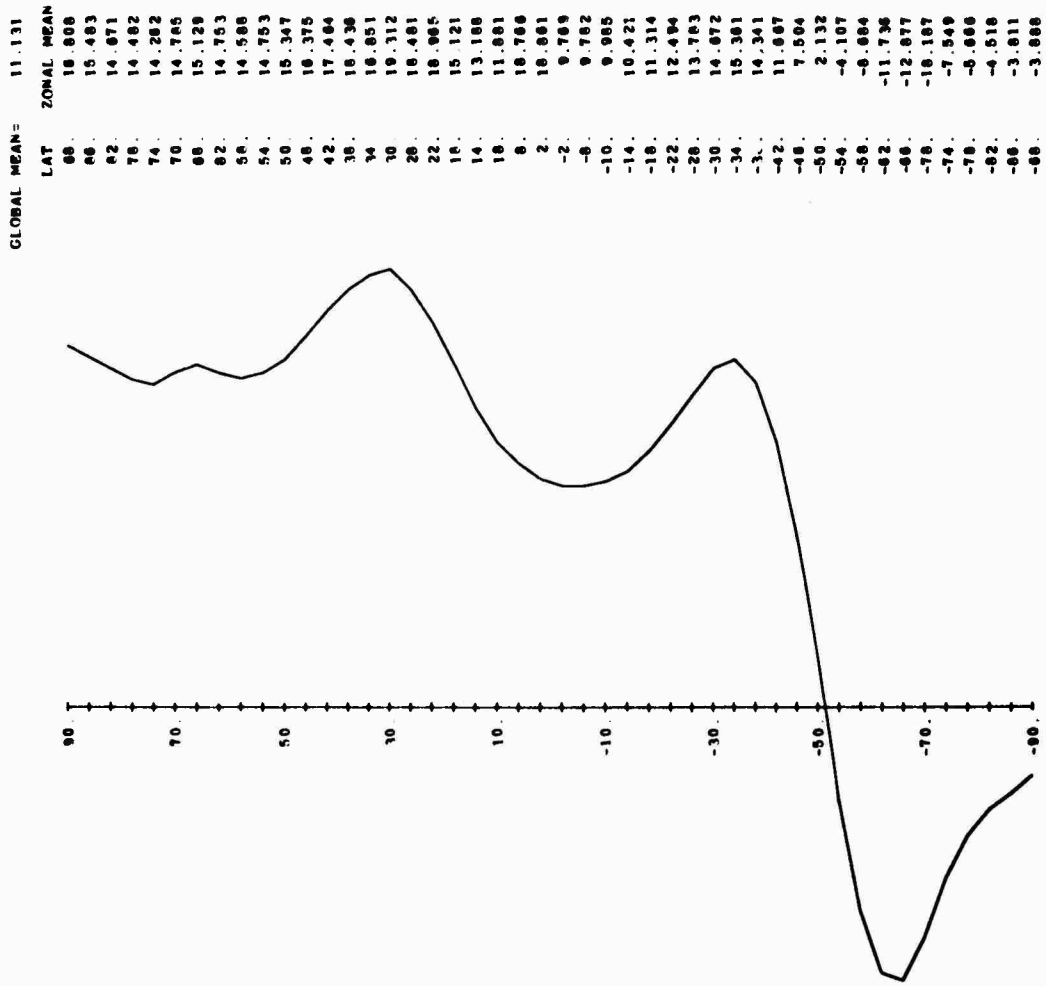


Fig. 4.1 --- Zonally averaged mean January sea-level pressure in mb (relative to 1000 mb) as found from the data of Fig. 3.1.

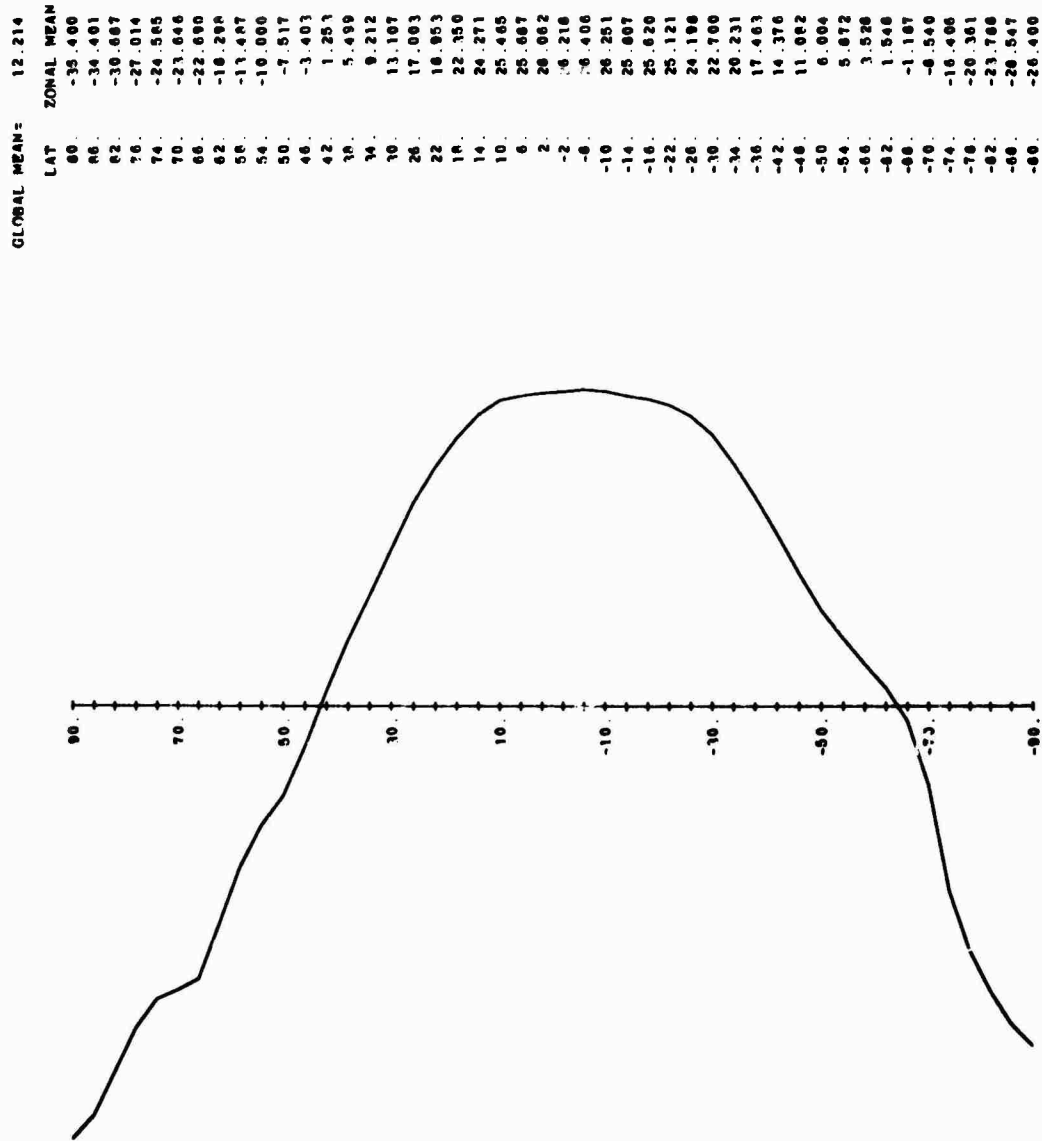


Fig. 4.2 -- Zonally averaged mean January surface air temperature in deg C, as found from the data of Fig. 3.2.

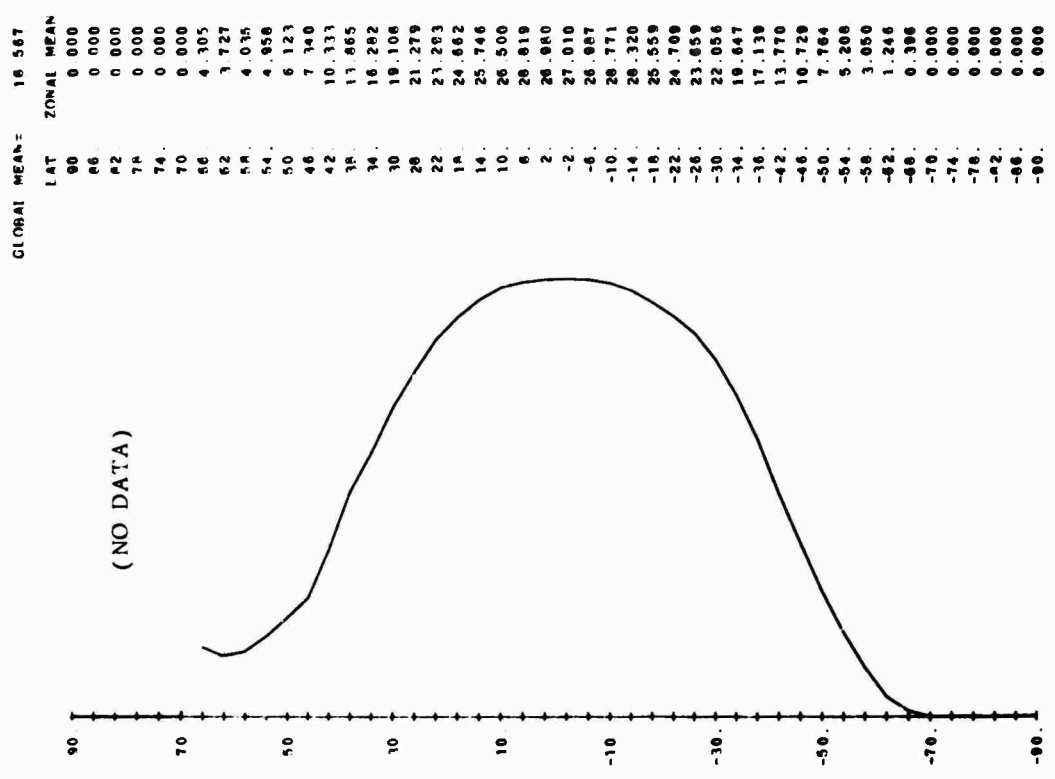


Fig. 4.3 --- Zonally averaged mean January sea-surface temperature in deg C, as found from the data of Fig. 3.3.

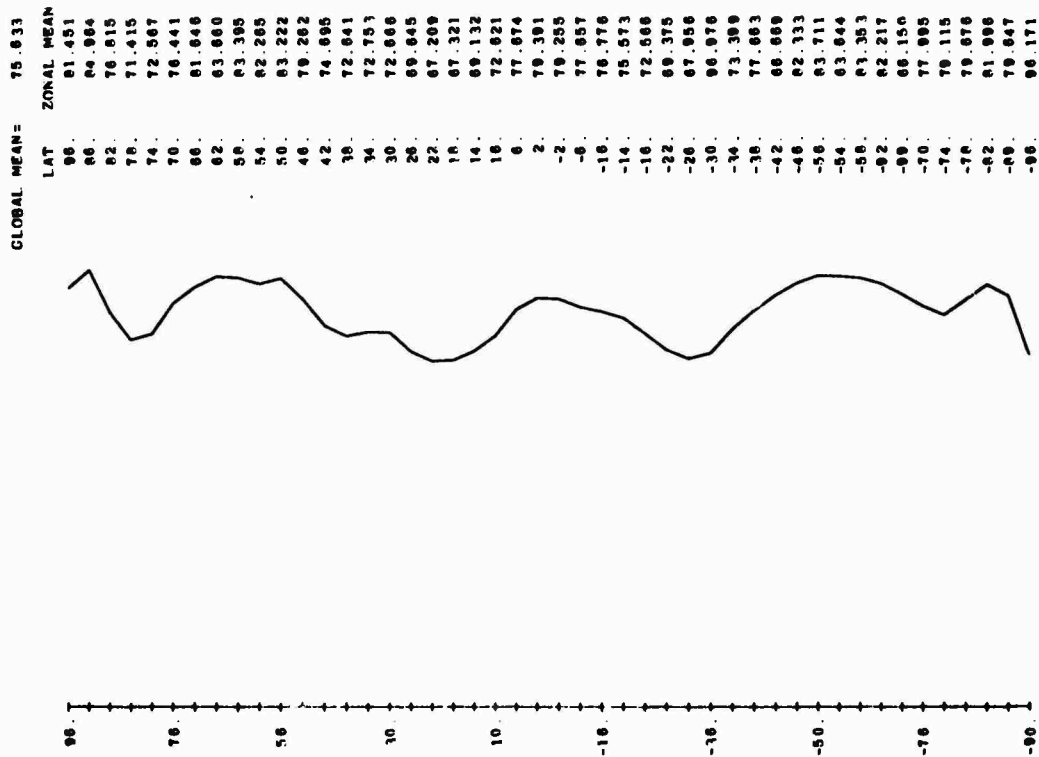


Fig. 4.4 -- Zonally averaged mean January surface relative humidity in percent, as found from the data of Fig. 3.4.

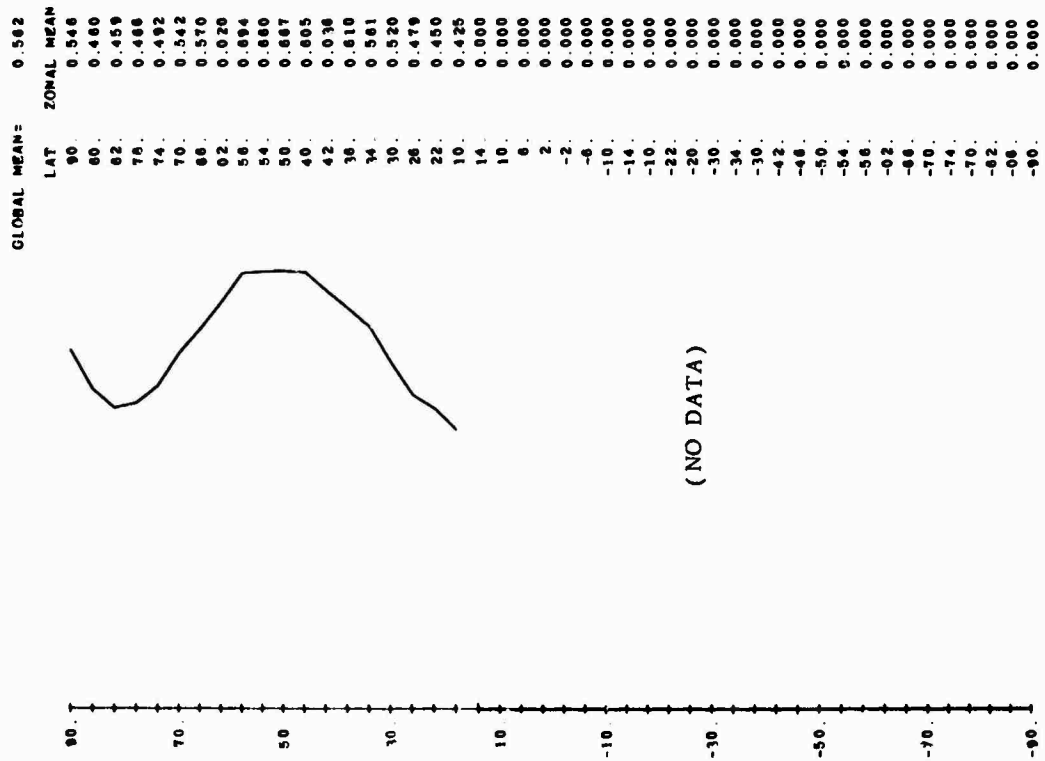


Fig. 4.5A - Zonally averaged mean January total cloud cover (northern hemisphere only) in fraction of the sky covered, as found from the data of Fig. 3.5A.

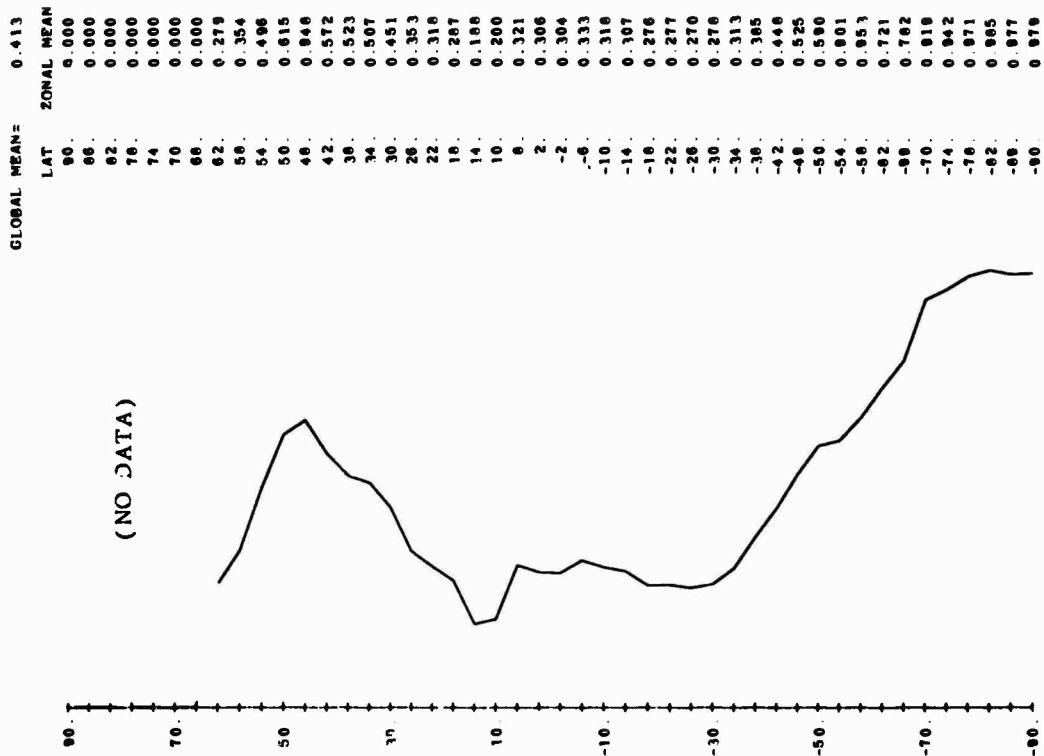


Fig. 4.5B -- Zonally averaged mean January total cloud cover in fraction of the sky covered, as found from the data of Fig. 3.5B.

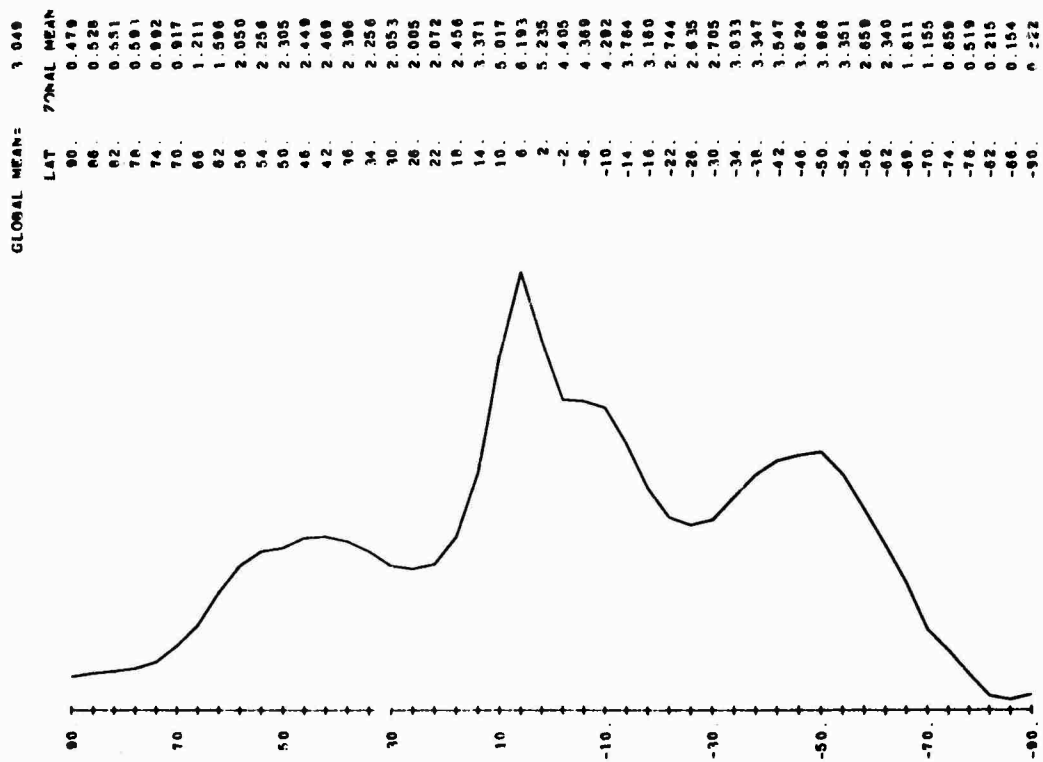


Fig. 4.6A --- Zonally averaged mean annual precipitation in mm/day as found from the data of Fig. 3.6A.

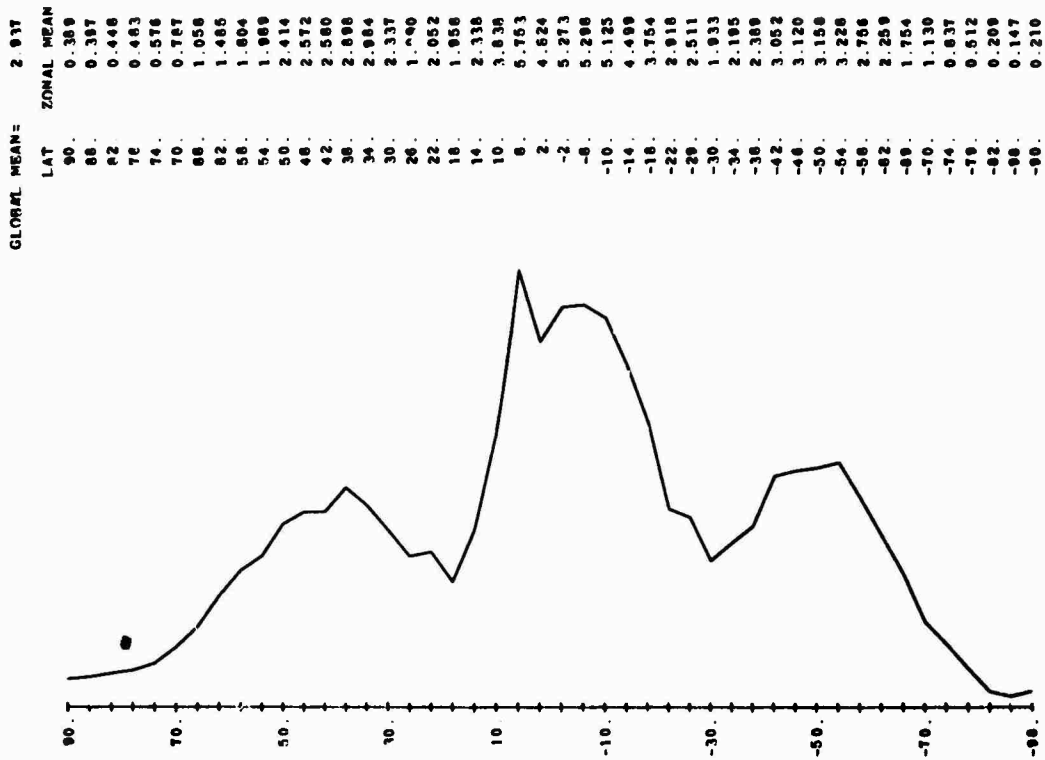


Fig. 4.6B -- Zonally averaged mean December-January-February precipitation in mm/day. No global chart available for these data.

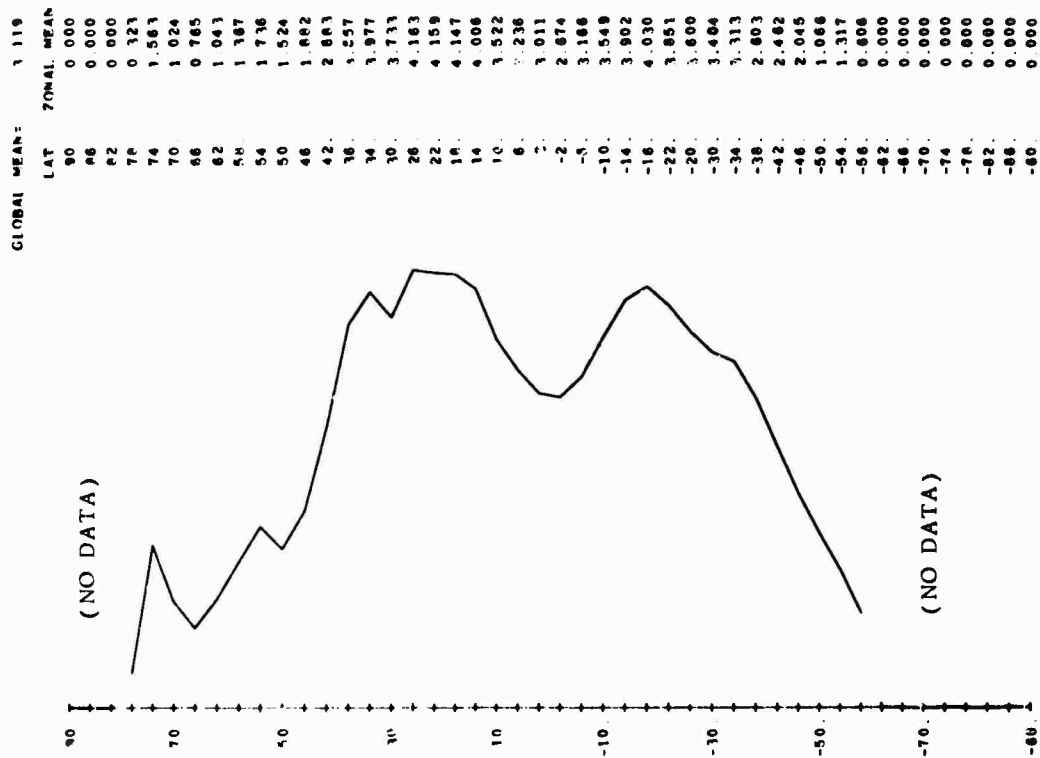


Fig. 4.7 -- Zonally averaged mean January surface evaporation in mm/day, as found from the data of Fig. 3.7.

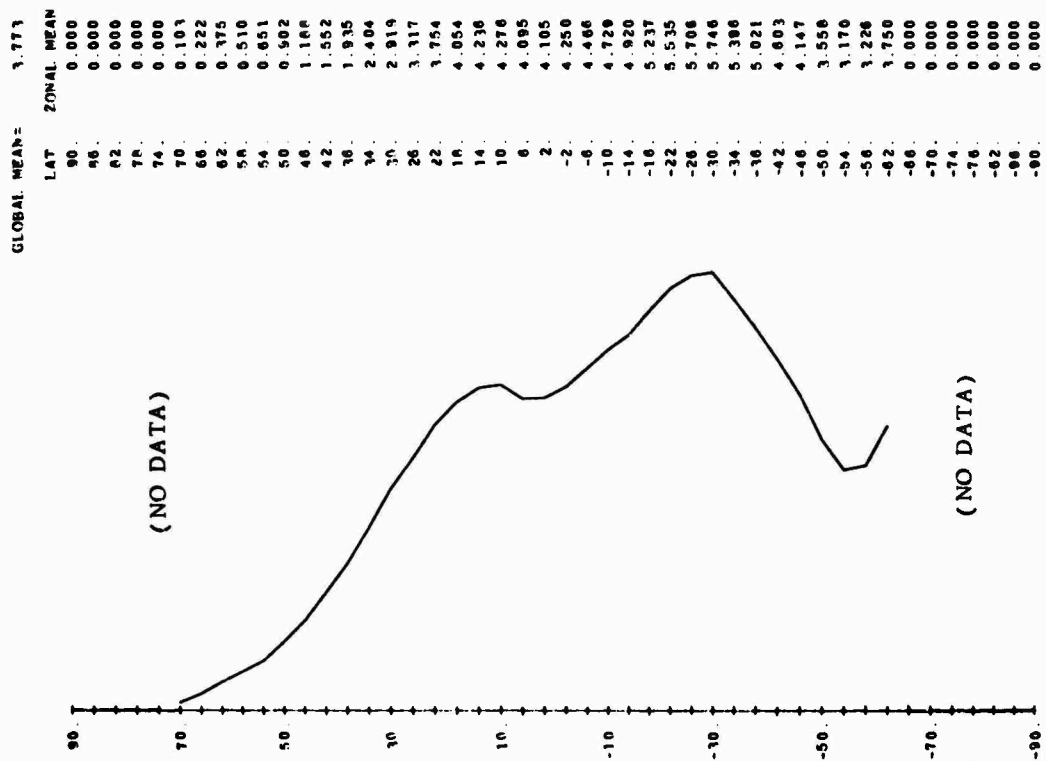


Fig. 4.8 -- Zonally averaged mean January solar radiation received at the surface in 10^2 ly/day, as found from the data of Fig. 3.8.

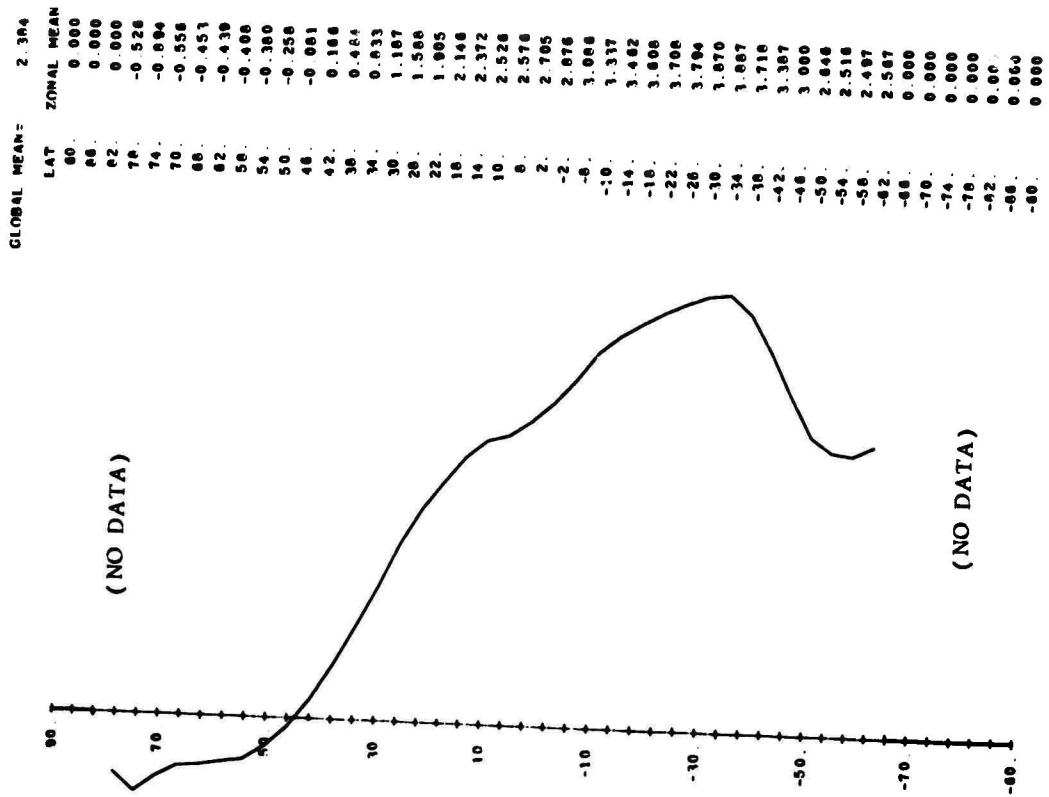


Fig. 4.9 -- Zonally averaged mean January radiation balance at the surface in 102 ly/day, as found from the data of Fig. 3.9. A positive value denotes a short-wave energy surplus.

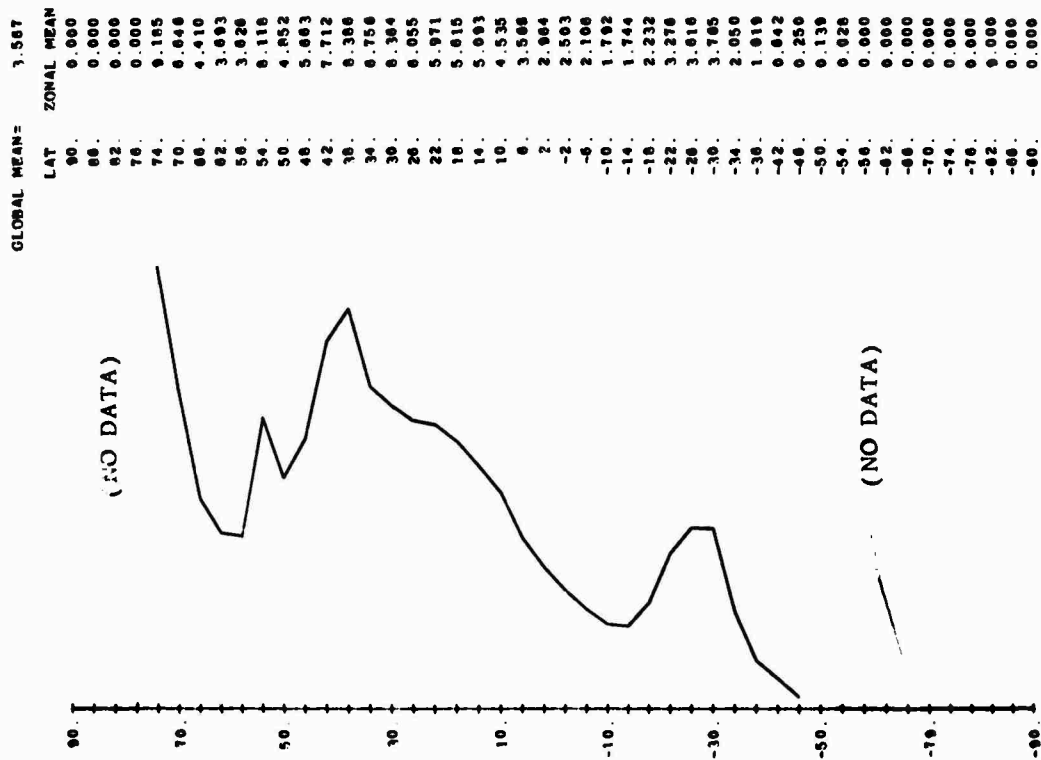


Fig. 4.10 -- Zonally averaged mean January sensible heat flux at the surface in 10 ly/day, as found from the data of Fig. 3.10. A positive value denotes an upward flux.

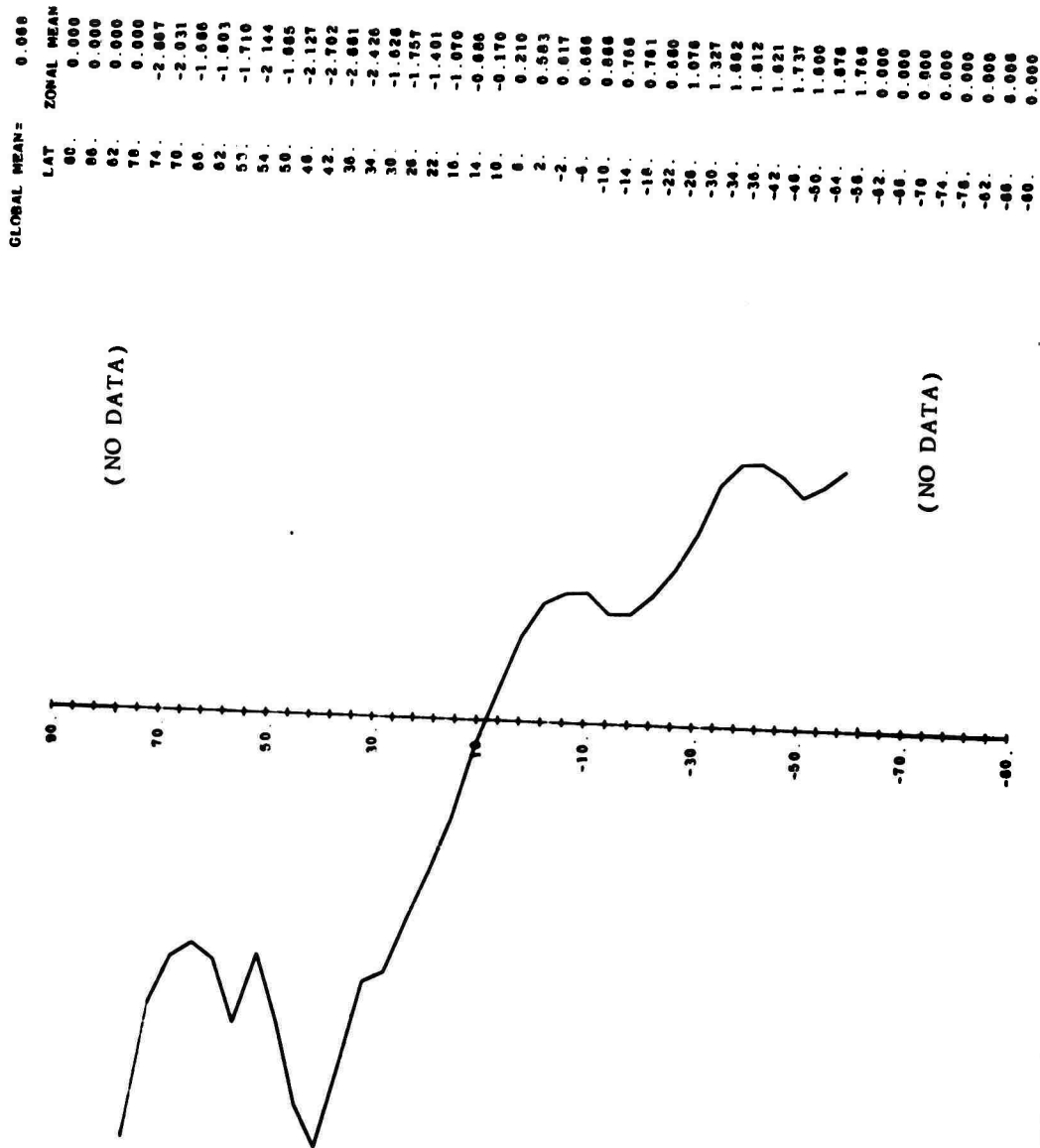


Fig. 4.11 --- Zonally averaged mean January total heat balance at the surface in 10^2 ly/day, as found from the data of Fig. 3.11. A positive value denotes a radiative heat surplus over the losses due to sensible heat flux and evaporation.

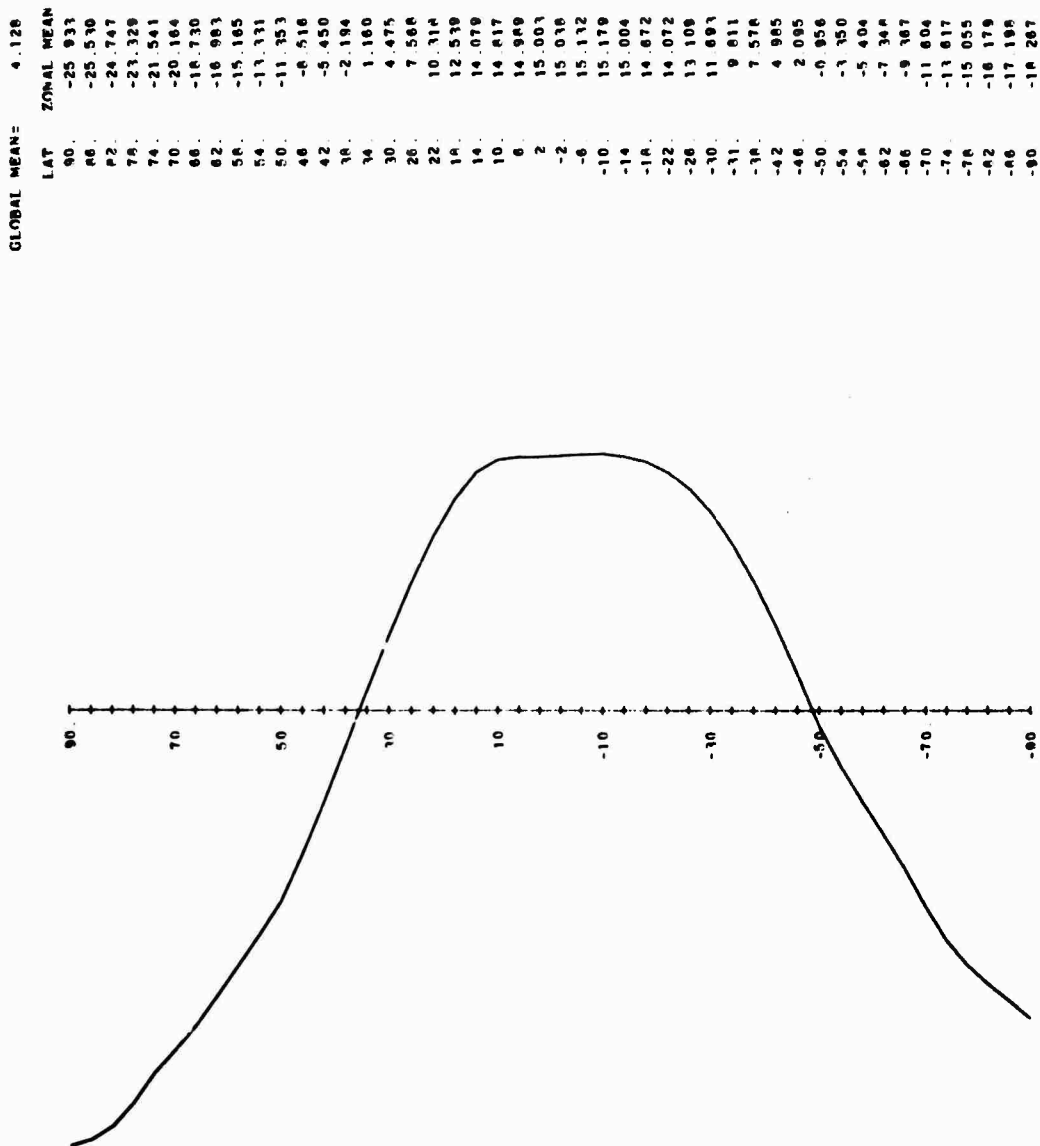


Fig. 4.12 --- Zonally averaged mean January temperature at 800 mb in deg C, as found from the data of Fig. 3.12.

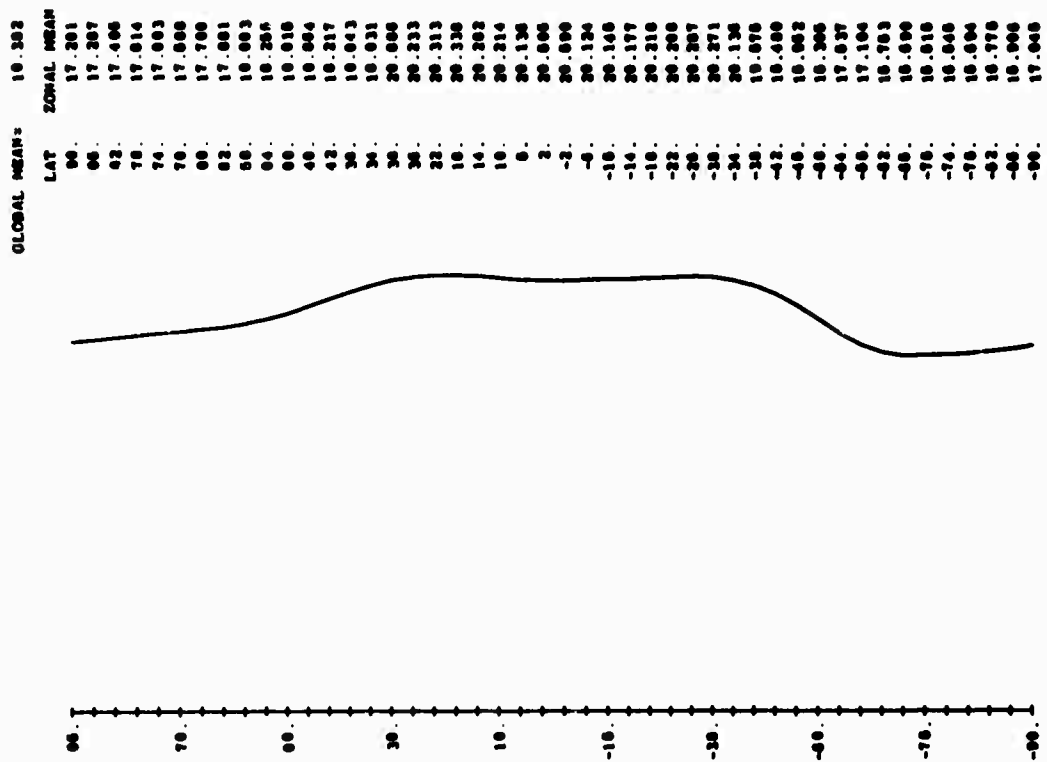


Fig. 4.13 --- Zonally averaged mean January geopotential height at 800 mb in 10^2 m, as found from the data of Fig. 3.13.

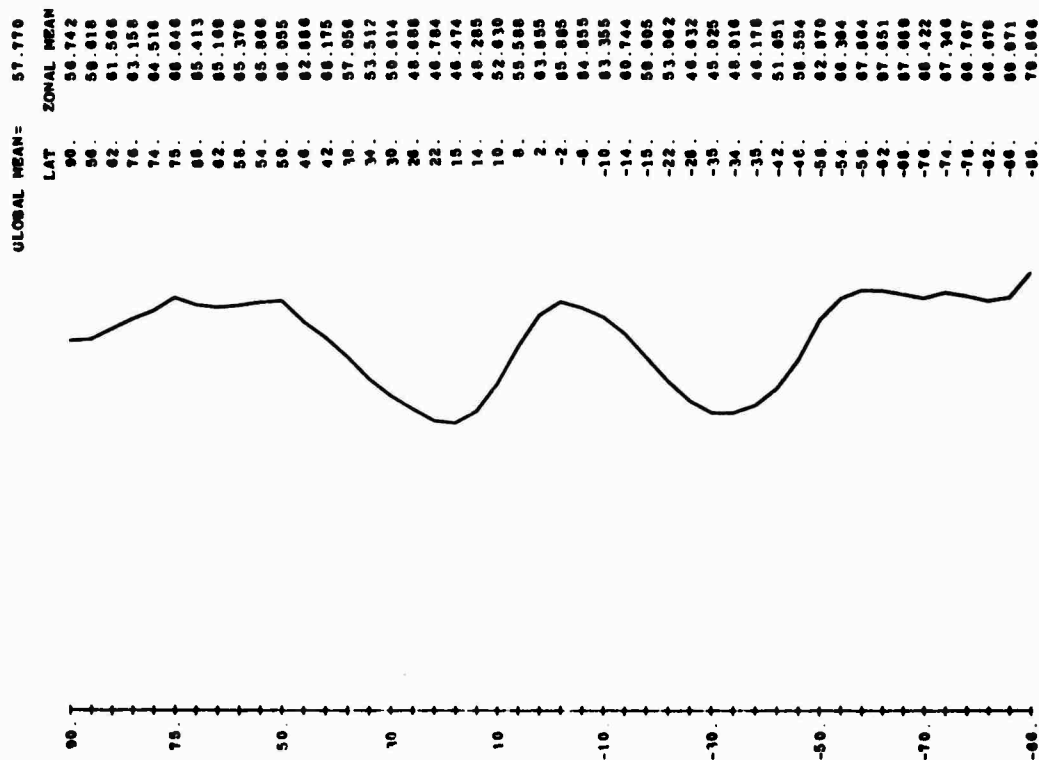


Fig. 4.14 -- Zonally averaged mean January relative humidity at 800 mb in percent, as found from the data of Fig. 3.14.

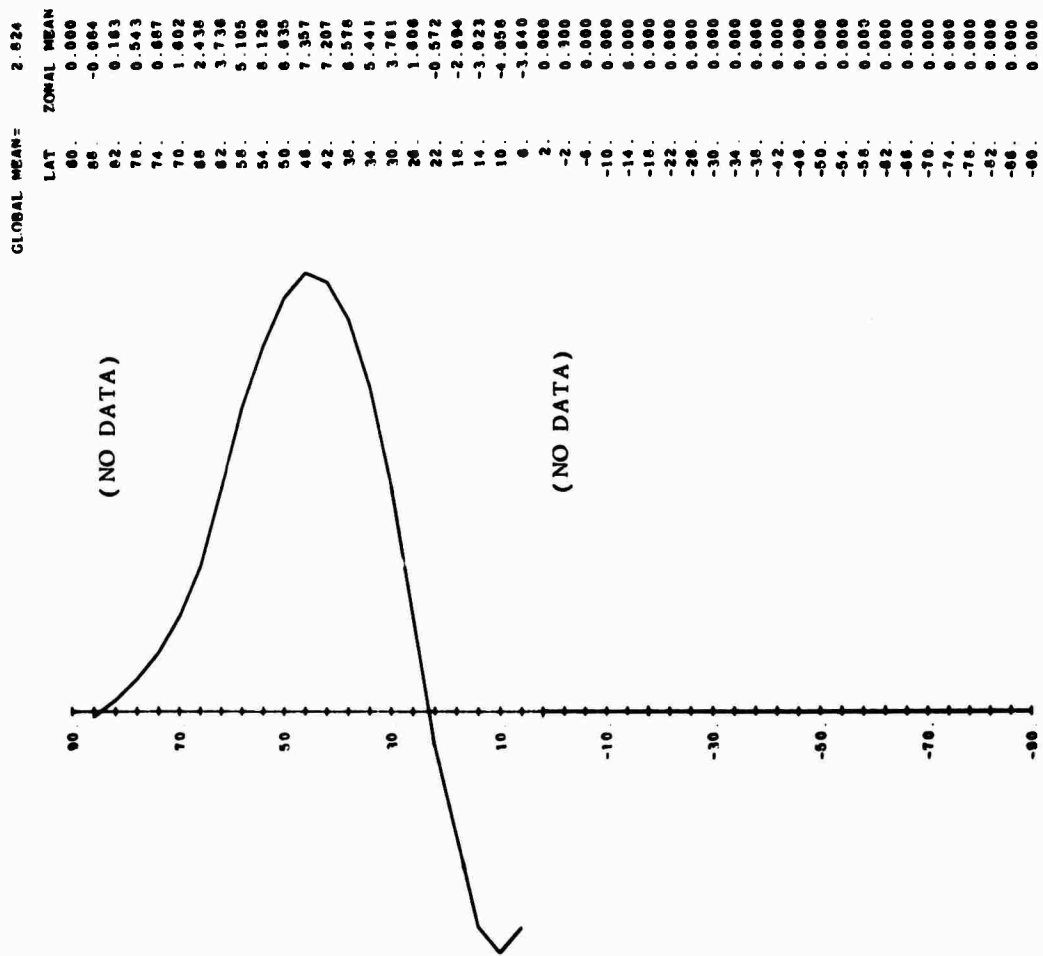


Fig. 4.15 -- Zonally averaged mean December-January-February zonal wind at 800 mb (northern hemisphere only) in $m\ sec^{-1}$, as found from the data of Fig. 3.15. A positive value denotes wind toward the east. Values apply at latitudes 2 deg south of the indicated scale.

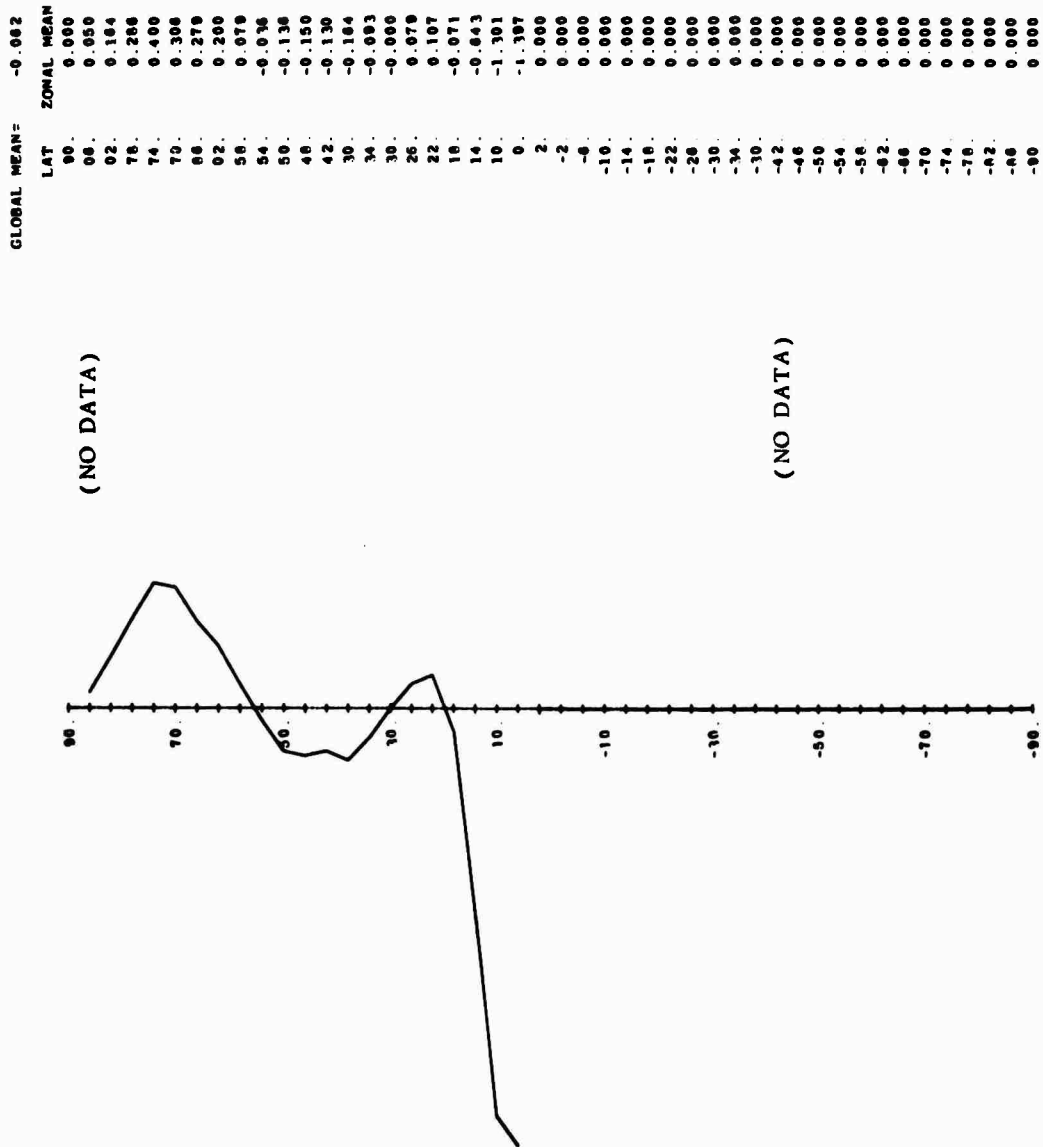


Fig. 4.16 -- Zonally averaged mean December-January-February meridional wind at 800 mb (northern hemisphere only) in m sec^{-1} , as found from the data of Fig. 3.16. A positive value denotes wind toward the north. Values apply at latitudes 2 deg south of the indicated scale.

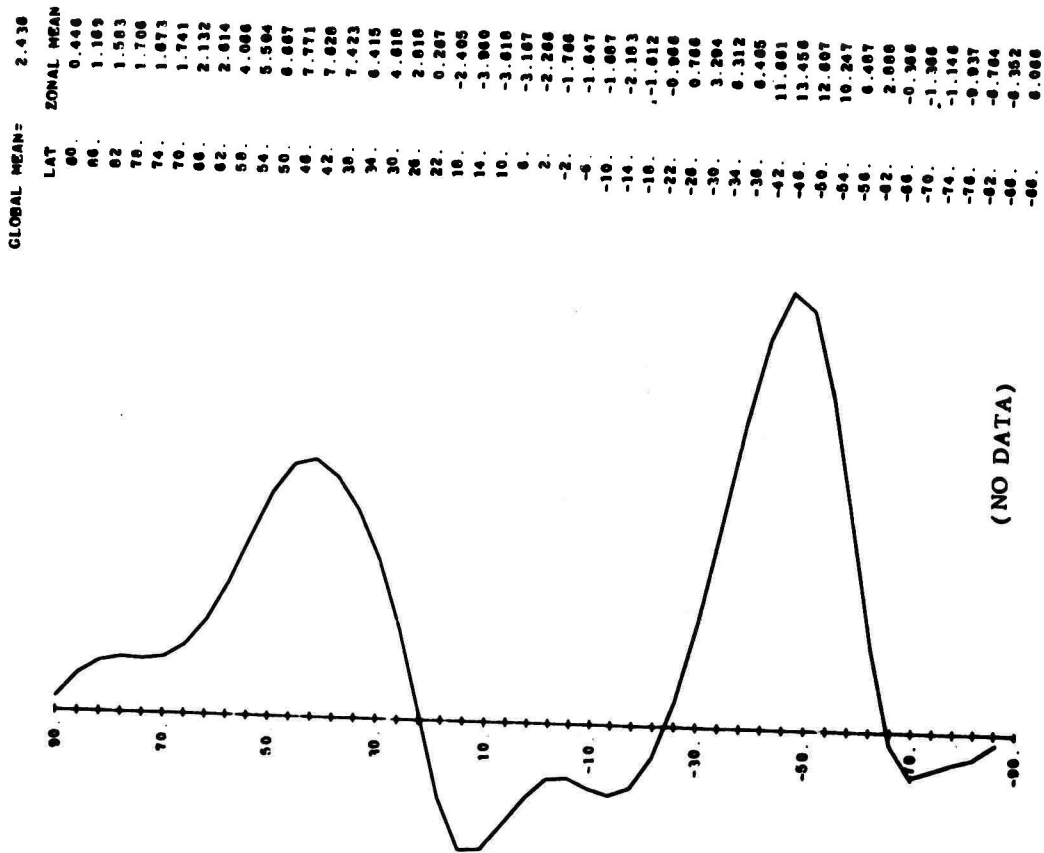


Fig. 4.17 -- Zonally averaged mean January zonal geostrophic wind at 800 mb in the $m sec^{-1}$, as found from the data of Fig. 3.17. A positive value denotes wind toward the east. The value for 90 S is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

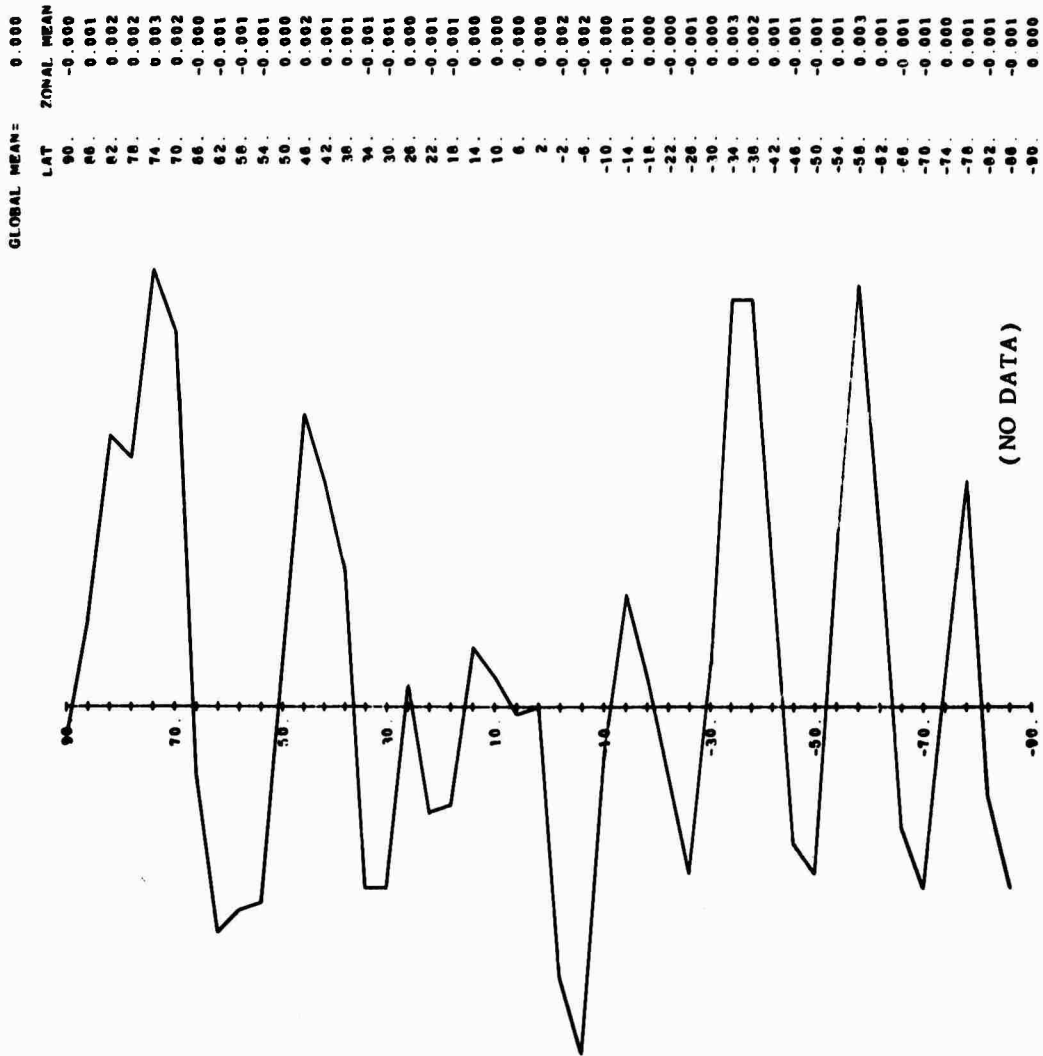


Fig. 4.18 -- Zonally averaged mean January meridional geostrophic wind at 800 mb in m sec^{-1} , as found from the data of Fig. 3.18. A positive value denotes wind toward the north. The value for 90 S is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

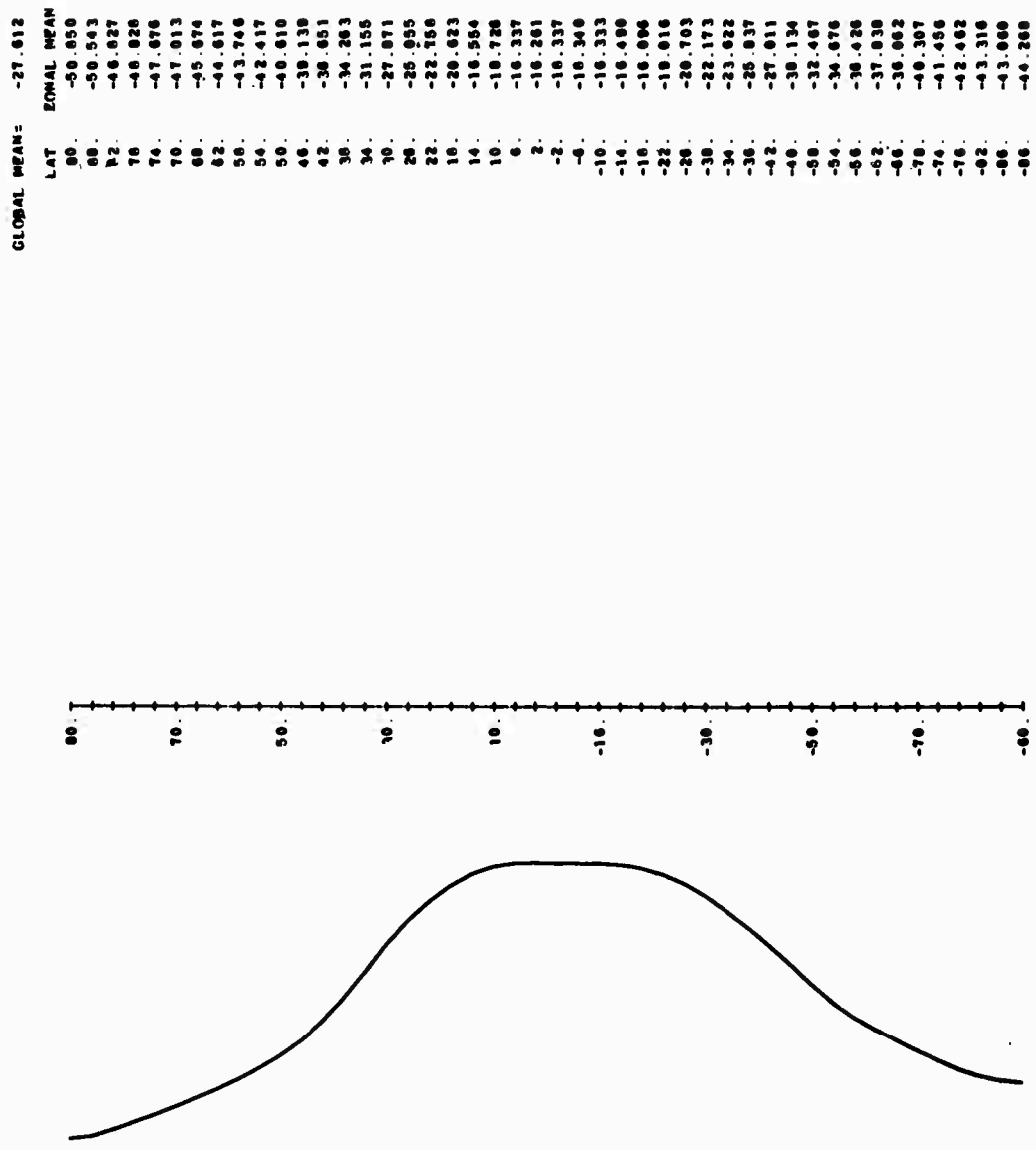


Fig. 4.19 -- Zonally averaged mean January temperature at 400 mb in deg C, as found from the data of Fig. 3.19.

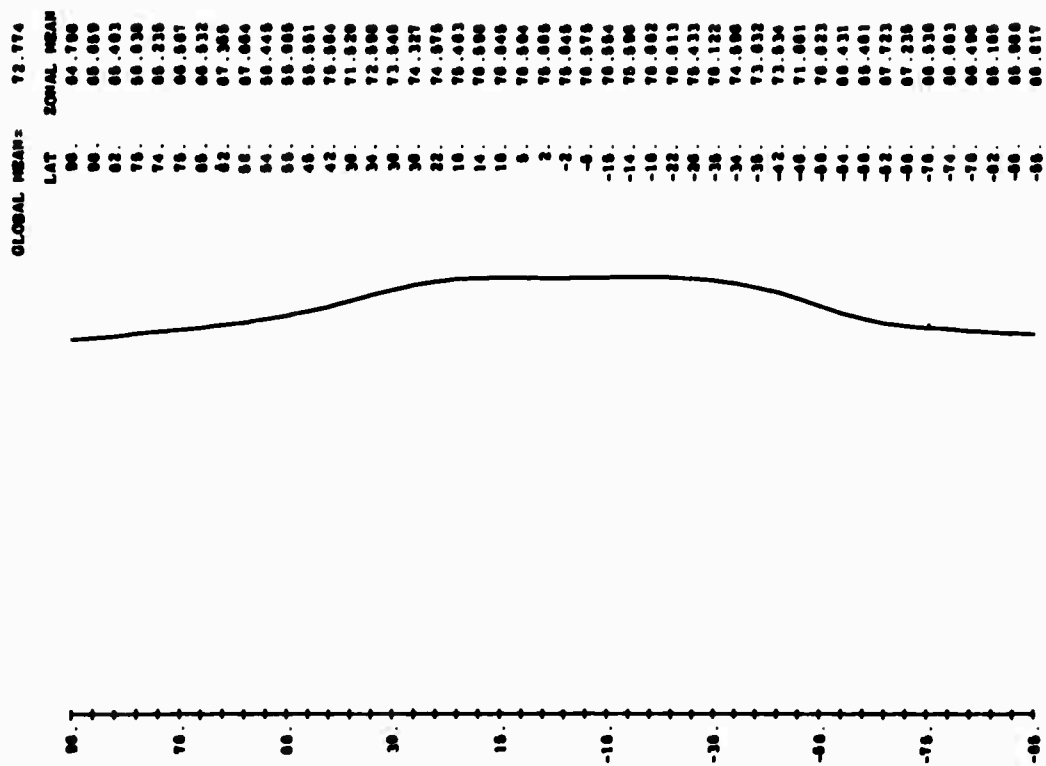


Fig. 4.20 -- Zonally averaged mean January geopotential height at 400 mb in 10^2 m, as found from the data of Fig. 3.20.

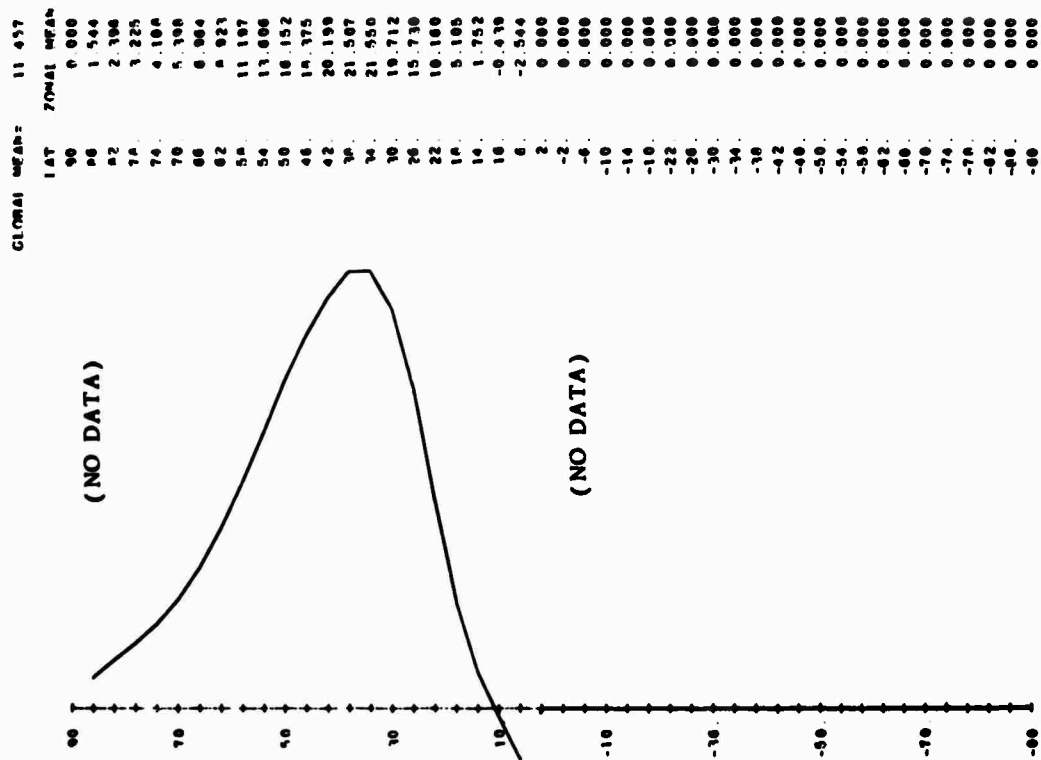


Fig. 4.21 -- Zonally averaged mean December-January-February zonal wind at 400 mb (northern hemisphere only) in $m sec^{-1}$, as found from the data of Fig. 3.21. A positive value denotes wind toward the east. Values apply at latitudes 2 deg south of the indicated scale.

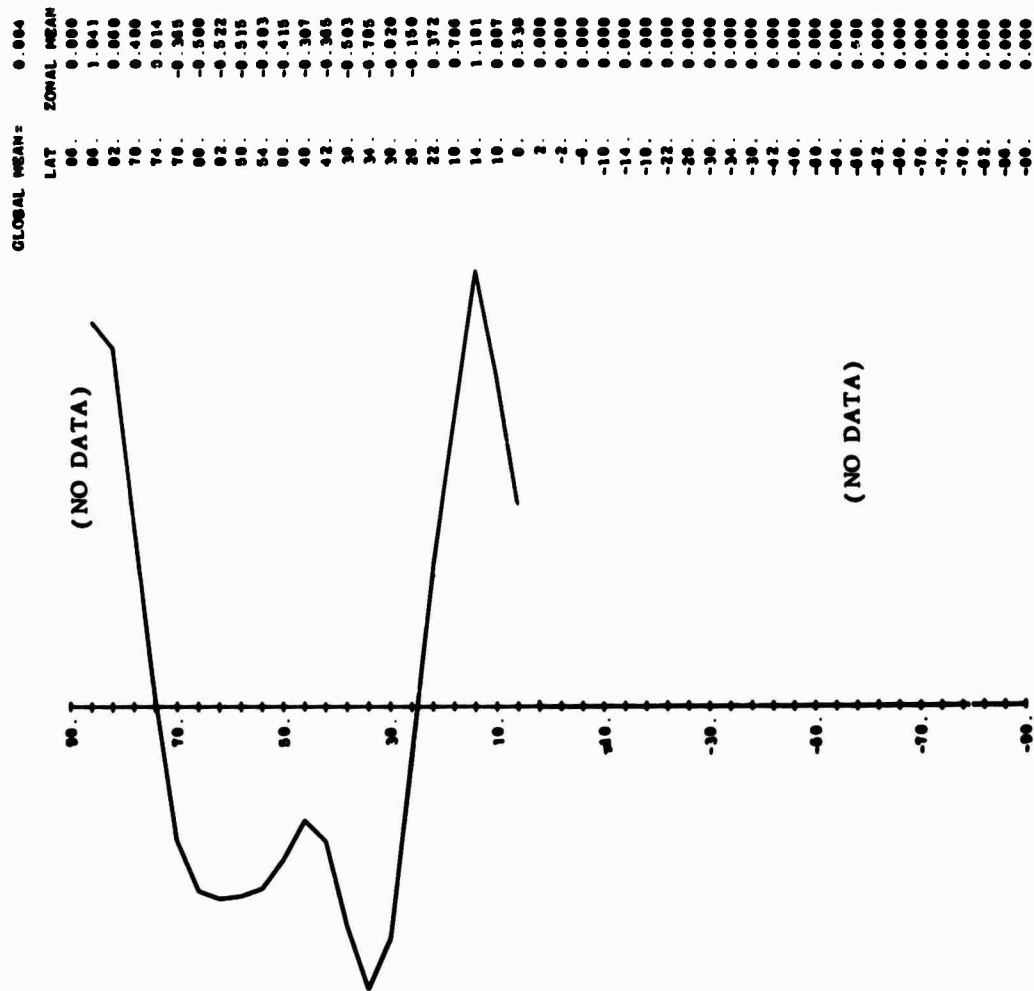


Fig. 4.22 -- Zonally averaged mean December-January-February meridional wind at 400 mb (northern hemisphere only) in $m\ sec^{-1}$, as found from the data of Fig. 3.22. A positive value denotes wind toward the north. Values apply at latitudes 2 deg south of the indicated scale.

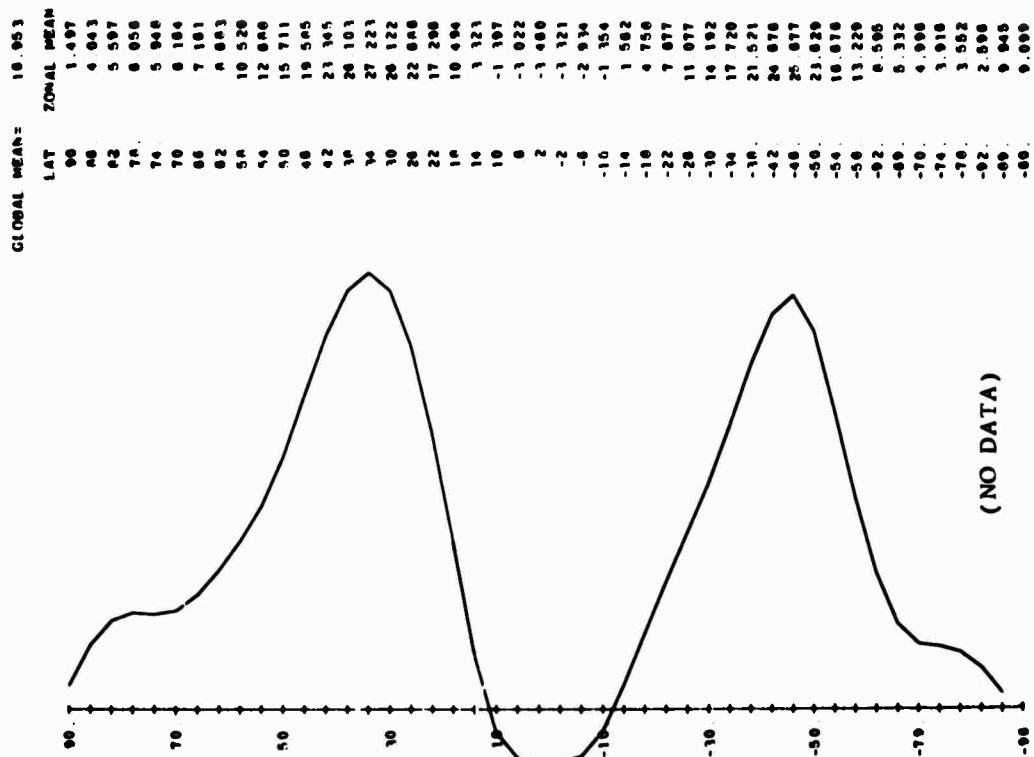


Fig. 4.23 -- Zonally averaged mean January zonal geostrophic wind at 400 mb in m sec^{-1} , as found from the data of Fig. 3.23. A positive value denotes wind toward the east. The value at 90°S is fictitious, and the remaining values apply at latitudes 2° deg south of the indicated scale.

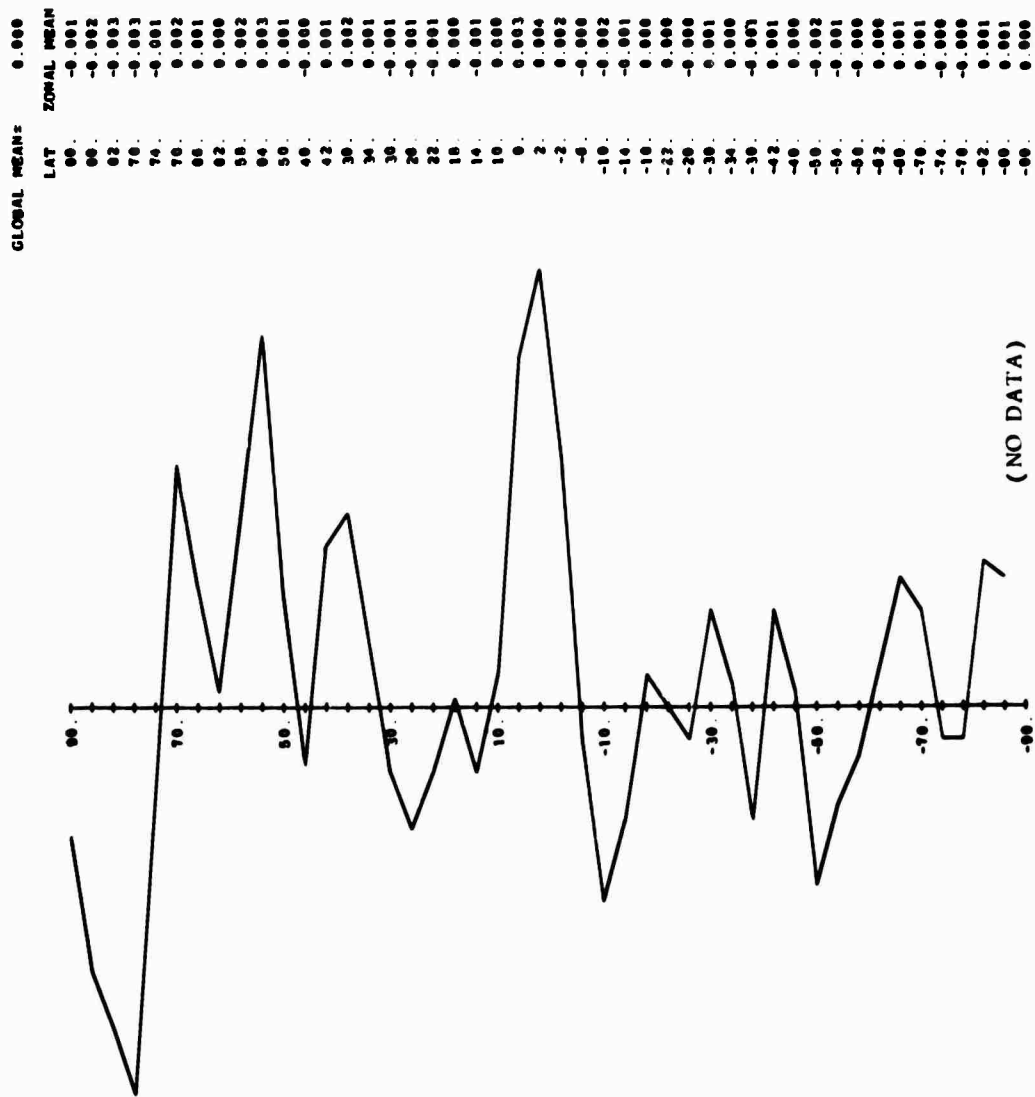


Fig. 4.24 -- Zonally averaged mean January meridional geostrophic wind at 400 mb in m sec^{-1} , as found from the data of Fig. 3.24. A positive value denotes wind toward the north. The value at 90 S is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

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5. GLOBAL DATA TABULATIONS

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TABLE 5-1 JAN SEA-LEVEL PRESSURE (1941)

[illegible]

TABLE 5-1 JAN SEA-LEVEL PRESSURE (MB)

[illegible]

TABLE 5-2 JAN SURFACE AIR TEMPERATURE (DEG C)

[illegible]

	OE	5E	1CE	15E	20E	25E	30E	35E	40F	45E	50E	55E	60F	65F	70E	75E	80E	85E
90N	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4
86N	-31.4	-31.3	-30.7	-30.5	-30.0	-30.3	-29.8	-29.8	-31.0	-30.9	-31.2	-31.4	-32.0	-32.6	-33.2	-33.9	-34.2	-34.5
82N	-21.6	-21.6	-20.6	-20.6	-20.1	-20.1	-20.1	-20.1	-20.9	-21.0	-21.5	-22.1	-23.2	-24.1	-24.8	-26.2	-27.2	-28.0
78N	-13.0	-12.4	-11.7	-11.3	-10.8	-10.5	-10.5	-10.9	-11.9	-13.2	-14.5	-15.5	-16.6	-17.8	-19.3	-21.3	-23.3	-24.7
74N	-6.4	-5.4	-4.6	-4.6	-4.8	-5.5	-5.2	-5.3	-6.8	-9.5	-12.0	-13.3	-14.4	-16.4	-18.8	-21.2	-24.4	-26.2
70N	0.0	0.5	0.9	-0.2	-2.6	-7.7	-7.0	-5.8	-6.1	-8.4	-10.7	-11.8	-14.6	-16.6	-19.8	-23.5	-25.8	-27.8
66N	3.0	2.5	0.4	-6.9	-9.3	-9.5	-10.8	-11.0	-12.2	-14.5	-16.2	-19.2	-20.8	-22.8	-25.3	-28.4	-27.8	-26.3
62N	3.7	2.3	-2.6	-6.4	-6.8	-7.4	-9.1	-11.3	-12.7	-13.7	-15.7	-17.9	-20.3	-22.8	-25.2	-28.3	-25.7	-23.4
58N	3.8	2.9	-2.4	-3.0	-2.7	-5.4	-7.7	-10.1	-11.8	-12.2	-14.2	-15.8	-16.7	-17.5	-19.2	-21.0	-21.6	-20.2
54N	4.1	4.0	0.7	-0.4	-1.4	-4.9	-7.8	-8.9	-10.5	-12.3	-13.8	-15.4	-15.9	-16.9	-18.5	-19.6	-17.8	-16.6
50N	4.3	1.7	0.2	-2.5	-3.7	-4.7	-6.2	-6.9	-7.1	-12.2	-13.2	-14.2	-15.3	-16.2	-15.9	-15.5	-16.8	-21.9
46N	4.5	3.0	2.4	2.7	-1.1	-2.9	-1.7	-0.9	-2.8	-6.0	-5.6	-7.6	-10.6	-11.2	-9.8	-11.0	-14.7	-16.8
42N	6.8	8.5	7.2	11.4	5.9	4.0	2.2	2.6	-3.1	-4.6	-0.1	-1.7	-3.9	-4.0	-4.3	-12.5	-9.1	-10.5
38N	8.7	10.6	10.3	7.8	10.4	10.4	7.7	7.1	0.2	0.4	1.3	0.5	0.3	1.3	1.1	-0.5	-6.7	-8.6
34N	9.5	8.9	10.5	12.4	13.7	13.1	13.0	11.9	6.6	8.5	2.3	1.4	1.8	4.1	6.5	0.8	-5.9	-8.6
30N	10.4	10.3	9.5	10.2	11.1	11.6	12.1	11.7	7.6	10.3	12.3	8.0	4.5	7.9	11.1	13.9	3.9	0.3
26N	14.8	12.9	11.9	11.8	12.8	12.2	12.5	17.0	11.9	12.5	16.1	17.1	16.7	15.8	17.7	12.1	14.2	14.3
22N	18.4	15.8	14.0	13.5	14.6	13.6	14.5	20.6	19.2	14.1	18.0	19.9	21.3	20.3	20.9	19.1	18.7	20.6
18N	21.7	19.7	17.5	17.0	19.0	15.8	17.5	22.7	22.8	13.6	20.1	21.6	23.1	22.9	23.7	23.7	23.1	23.4
14N	24.9	23.8	21.3	21.9	24.8	17.4	21.2	23.8	21.2	13.8	22.9	23.8	24.4	24.7	25.9	24.7	25.0	25.2
10N	27.8	26.2	21.3	25.0	27.3	20.4	25.3	25.0	18.2	22.4	24.7	24.8	25.6	26.1	26.3	26.2	24.8	26.2
6N	26.6	26.4	23.5	23.9	26.4	23.9	26.1	26.2	21.2	27.2	25.6	25.5	26.2	26.5	26.6	26.6	26.0	26.6
2N	26.6	26.5	25.4	24.3	26.3	24.9	22.1	21.3	25.6	27.6	25.7	26.1	26.6	26.8	27.1	27.2	27.2	27.3
25	26.4	26.4	26.2	24.9	26.3	25.0												

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155F	160E	165E	170E	175E
90N	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4
86N	-34.7	-35.3	-35.5	-36.0	-36.0	-36.2	-36.3	-36.3	-36.4	-36.4	-36.5	-36.5	-36.5	-36.4	-36.3	-36.2	-36.0	-35.9
82N	-29.0	-29.6	-30.3	-31.2	-32.1	-32.8	-33.0	-34.2	-34.8	-35.0	-35.1	-35.1	-35.0	-34.9	-34.7	-34.7	-34.4	-34.2
78N	-25.9	-26.6	-27.3	-27.8	-28.7	-29.4	-30.2	-30.6	-31.3	-31.8	-32.3	-32.5	-33.1	-33.1	-33.0	-32.7	-32.3	-32.0
74N	-27.8	-28.4	-29.1	-29.2	-29.4	-29.5	-29.8	-29.9	-30.6	-31.1	-31.4	-31.6	-32.4	-32.5	-32.0	-31.0	-29.7	-29.3
70N	-32.0	-32.3	-34.5	-36.0	-37.0	-37.7	-38.4	-40.2	-41.9	-41.8	-39.2	-37.8	-36.2	-34.3	-32.1	-28.1	-25.9	-25.6
66N	-26.6	-29.2	-35.9	-37.8	-38.5	-38.6	-39.0	-41.1	-43.9	-46.1	-45.6	-44.4	-38.1	-36.5	-34.7	-32.7	-29.9	-24.6
62N	-23.5	-25.9	-30.9	-32.8	-33.6	-34.7	-36.1	-36.8	-39.1	-38.3	-35.6	-33.6	-31.2	-29.4	-25.6	-21.5	-18.8	-15.7
58N	-20.6	-22.7	-25.1	-26.2	-27.9	-30.5	-32.9	-33.2	-34.4	-30.7	-26.6	-21.9	-20.1	-10.4	-16.3	-10.1	-7.4	-6.7
54N	-19.7	-21.0	-21.8	-21.8	-24.6	-28.1	-30.7	-30.8	-31.4	-27.4	-23.9	-16.0	-11.0	-10.6	-10.3	-3.9	-1.9	-1.1
50N	-26.3	-24.0	-22.7	-22.0	-24.0	-27.0	-28.4	-25.0	-25.6	-24.6	-19.7	-11.8	-6.4	-5.2	-2.2	1.5	0.3	1.9
46N	-18.0	-25.1	-24.6	-23.7	-22.7	-23.5	-20.1	-20.2	-19.7	-17.3	-9.7	-7.6	-4.9	0.2	0.5	2.1	2.7	3.7
42N	-11.4	-15.8	-16.0	-17.6	-16.9	-14.4	-11.5	-13.4	-9.9	-7.5	-3.5	-2.5	0.1	4.1	4.9	5.7	6.5	7.3
38N	-13.7	-11.6	-9.4	-10.0	-9.5	-6.2	-3.8	-5.3	-1.1	0.3	1.7	4.3	6.6	8.5	9.5	10.1	10.6	11.2
34N	-18.1	-11.8	-6.7	-2.8	-2.0	-0.7	1.3	3.0	5.4	6.0	7.8	11.5	12.6	13.1	13.6	13.9	14.4	14.6
30N	-3.9	0.4	-0.1	6.2	5.7	4.7	1.9	9.7	12.0	14.1	14.8	15.7	16.0	16.3	16.3	16.8	17.1	17.4
26N	15.0	15.0	8.3	9.2	8.5	9.3	10.1	15.9	17.0	17.9	19.7	19.1	19.4	18.6	18.9	20.2	20.2	20.3
22N	21.4	20.1	16.0	14.8	14.5	16.5	18.3	20.6	21.0	21.2	21.6	21.7	22.2	22.3	22.6	23.5	23.0	22.9
18N	23.8	23.0	21.7	20.5	19.7	22.8	23.8	23.7	23.9	24.0	24.0	23.9	24.4	24.4	24.6	25.4	24.9	25.0
14N	25.7	25.9	25.0	24.6	23.1	26.4	26.0	25.3	25.6	25.9	25.8	25.7	25.9	25.9	25.7	25.9	26.2	26.4
10N	26.3	26.4	25.8	25.9	26.4	27.3	26.1	25.9	26.2	26.6	26.8	26.7	26.6	26.5	26.4	27.1	27.2	27.3
6N	26.6	26.1	27.2	26.4	27.3	27.2	26.3	25.9	26.6	26.8	27.4	27.3	27.1	27.0	27.0	27.3	27.5	27.8
2N	27.0	26.3	26.7	26.4	26.7	26.3	26.4	26.4	26.9	26.8	27.2	27.2	27.2	27.3	27.3	27.6	27.7	28.1
25	27.5	26.9	26.7	26.3	26.6	26.4	26.8	27.2	27.4	27.0	25.8	25.9	27.4	27.8	27.9	28.0	28.1	28.3
6S	27.9	27.5	27.4	26.4	27.5	27.7	27.6	27.9	28.0	27.5	24.7	24.8	27.6	28.3	28.5	28.5	28.5	28.5
10S	27.5	27.3	27.4	27.6	28.2	28.3	28.3	28.1	28.8	28.2	27.5	28.0	27.8	28.4	28.5	28.4	28.3	28.3
14S	26.8	26.7	26.7	26.9	27.6	28.3	29.1	29.4	30.0	29.2	28.1	27.6	28.1	28.3	28.3	27.9	27.9	27.8
18S	25.8	25.5	25.4	25.4	26.4	28.3	29.7	30.5	30.4	30.2	29.6	28.0	27.5	27.5	27.5	27.1	27.2	27.1
22S	24.8	24.0	23.8	23.8	24.6	28.7	30.2	30.6	29.9	30.3	30.9	28.2	26.6	26.5	26.4	26.1	26.0	25.9
26S	22.8	22.3	22.0	22.0	22.5	28.6	29.9	29.2	28.0	29.1	30.7	29.5	25.6	25.3	25.1	24.7	24.3	24.2
30S	20.8	20.5	20.2	20.2	20.5	24.0	27.3	26.0	24.0	26.5	27.7	28.5	24.0	23.6	23.3	22.9	22.5	22.5
34S	18.7	18.4	18.1	18.2	18.3	19.7	20.7	19.9	19.6	20.5	23.1	25.1	20.4	21.2	21.1	20.7	20.3	20.3
38S	16.0	15.9	15.6	15.7	15.8	16.2	16.4	16.1	16.4	16.9	18.2	19.5	18.3	18.9	18.7	18.5	18.3	18.1
42S	12.8	12.7	12.7	12.7	12.8	13.0	13.1	13.3	13.6	14.1	14.3	15.0	16.0	16.2	16.1	16.1	16.0	15.9
46S	9.4	9.4	9.5	9.6	9.8	10.0	10.1	10.5	10.7	11.2	11.6	12.3	12.9	13.2	13.4	13.7	13.5	13.6
50S	6.2	6.3	6.5	6.6	6.8	7.0	7.4	7.5	7.7	8.2	8.6	9.5	9.7	10.4	10.8	11.0	11.4	11.2
54S	4.1	4.2	4.3	4.5	4.7	4.8	4.8	4.9	5.1	5.5	6.0	6.4	6.7	7.3	7.8	8.2	8.4	8.5
58S	2.4	2.4	2.5	2.7	2.8	3.0	3.0	2.9	3.0	3.3	3.6	3.6	4.2	4.7	5.0	5.3	5.4	5.6
62S	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	1.0	1.3	1.5	1.6	2.0	2.3	2.5	2.7	2.9	3.0
66S	-4.5	-4.8	-4.8	-4.8	-4.8	-4.8	-4.7	-4.5	-4.6	-4.4	-4.1	-3.2	-2.3	-1.2	-0.2	0.5	0.8	0.8
70S	-20.0	-21.0	-21.0	-21.0	-21.0	-21.0	-21.0	-20.0	-21.0	-21.0	-20.0	-17.0	-13.0	-8.0	-4.2	-1.7	-1.2	-1.0
74S	-28.8	-29.8	-30.6	-29.8	-29.8	-29.0	-29.0	-28.0	-26.6	-25.0	-22.4	-21.8	-20.2	-12.6	-7.1	-3.4	-2.8	-2.6
78S	-32.2	-32.6	-33.0	-32.0	-32.0	-31.0	-30.4	-29.4	-28.0	-26.0	-23.0	-21.8	-21.4	-12.0	-7.9	-5.7	-5.4	-5.4
82S	-33.0	-33.0	-33.0	-32.0	-31.6	-30.6	-30.0	-29.0	-28.4	-26.0	-24.2	-22.6	-22.6	-14.8	-13.2	-12.4	-12.1	-12.7
86S	-32.1	-32.1	-31.3	-30.5	-30.5	-29.7	-29.7	-28.0	-28.9	-26.5	-26.5	-25.7	-25.7	-23.3	-22.5	-22.5	-21.7	-21.7
90S	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N																		
86N																		
82N																		
78N																		
74N																		
70N																		
66N																		
62N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58N	0.7	0.8	0.7	0.5	0.0	0.0	4.1	5.0	5.7	6.6	7.8	9.1	10.4	11.7	13.0	14.3	15.6	16.9
54N	1.7	1.9	2.1	3.5	2.3	3.5	4.4	5.4	6.0	6.6	7.0	7.8	8.5	9.1	9.6	10.1	10.6	11.1
50N	3.4	3.6	3.8	4.2	4.4	5.1	5.8	6.3	6.6	7.0	7.8	9.1	10.4	11.7	13.0	14.3	15.6	16.9
46N	5.4	5.8	6.0	6.4	6.9	7.4	7.9	8.2	8.7	9.0	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5
42N	9.3	9.3	9.4	9.8	9.9	10.3	10.7	11.2	11.5	11.7	11.5	11.1	10.8	10.6	10.4	10.2	10.0	9.8
38N	12.6	12.5	12.5	12.7	13.1	13.5	13.8	14.1	14.5	14.2	13.8	12.8	11.8	10.9	10.0	9.1	8.2	7.3
34N	15.8	15.7	15.8	15.8	16.0	16.3	16.4	16.6	16.7	16.5	15.7	14.9	14.4	13.4	12.5	11.6	10.7	9.8
30N	18.9	18.9	18.9	18.9	18.9	19.0	19.1	19.0	18.7	19.1	17.5	16.6	15.8	14.9	14.0	13.1	12.2	11.3
26N	21.9	21.6	21.4	21.2	21.1	21.1	21.1	20.8	20.3	19.7	19.1	18.5	17.9	17.2	16.6	16.0	15.4	14.8
22N	24.0	23.8	23.6	23.3	23.0	22.7	22.3	21.9	21.5	21.1	20.8	20.4	20.2	20.0	19.8	19.6	19.4	19.2
18N	25.5	25.3	25.0	24.8	24.5	23.9	23.6	23.1	22.7	22.3	22.0	21.8	22.3	23.4	24.3	25.2	26.1	27.0
14N	26.5	26.3	26.0	25.8	25.4	25.1	24.7	24.4	24.1	23.8	23.6	23.7	24.4	25.3	25.8	26.4	27.0	27.6
10N	27.5	27.3	27.0	26.6	26.3	26.0	25.7	25.3	25.0	24.9	24.9	25.1	25.3	25.6	26.1	26.4	26.6	26.8
6N	28.1	28.0	27.7	27.3	26.9	26.5	26.2	25.9	25.5	25.3	25.3	25.4	25.5	25.6	25.6	25.6	25.6	25.6
2N	28.3	28.2	28.0	27.7	27.3	26.9	26.5	26.1	25.8	25.6	25.5	25.5	25.5	25.4	25.4	25.4	25.4	25.4
25	28.5	28.5	28.2	28.0	27.6	27.3	26.9	26.5	26.1	25.8	25.7	25.7	25.5	25.3	24.8	24.1	23.9	24.3
65	28.5	28.5	28.4	28.1	27.8	27.5	27.3	27.0	26.7	26.2	25.9	25.8	25.6	25.3	24.9	24.1	23.5	23.4
105	28.5	28.5	28.4	28.1	27.7	27.6	27.5	27.5	27.4	27.1	26.8	26.1	25.7	25.4	24.9	24.3	23.4	22.7
145	28.5	28.4	28.2	27.9	27.6	27.5	27.5	27.5	27.4	27.3	27.0	26.3						

[illegible][illegible]

TABLE 5-3 JAN SEA-SURFACE TEMPERATURE (DEG C)

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N																		
86N																		
82N																		
78N																		
74N																		
70N																		
66N	6.3	5.2																
62N	7.6	6.1																
58N	8.1	6.4	4.7															
54N		6.0																
50N																		
46N																		
42N		12.5	12.6				8.7	7.5										
38N	14.3	14.5	14.6	14.0														
34N			15.0	15.0	15.2	15.8												
30N																		
26N																		
22N																		
18N																		
14N																		
10N																		
6N																		
2N	27.9	28.0																
2S	26.7	27.3																
6S	25.5	26.6	26.7															
10S	24.0	24.9	26.2															
14S	22.7	22.5	22.7															
18S	21.9	21.2	20.1															
22S	21.6	20.9	19.8															
26S	21.5	20.8	20.2															
30S	21.1	20.6	20.2	18.6														
34S	19.8	19.1	18.9	19.4														
38S	15.6	14.9	15.3	17.4	19.7	19.9	19.2	18.5	18.0	17.8	17.4	17.4	17.4	17.1	16.4	16.1	16.1	16.0
42S	11.7	11.2	10.9	12.4	13.7	14.2	13.5	12.7	12.1	11.4	11.6	12.4	13.0	13.3	13.3	12.9	12.7	12.6
46S	8.0	8.0	8.0	8.2	8.6	8.7	8.5	8.1	8.0	7.5	7.5	7.9	8.6	8.4	8.6	8.5	9.2	9.0
50S	5.1	5.2	5.2	5.1	5.1	5.0	4.7	4.7	4.5	4.5	4.6	4.9	5.6	6.4	6.9	6.7	6.4	5.9
54S	1.9	1.9	2.1	2.2	2.3	2.4	2.6	2.9	3.1	3.3	3.5	3.7	4.0	4.2	4.4	4.4	4.2	4.0
58S	0.9	1.0	1.2	1.2	1.3	1.3	1.4	1.6	1.9	2.1	2.2	2.4	2.5	2.6	2.6	2.5	2.5	2.4
62S	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	0.9	0.9	0.9	0.9	1.0	0.9	0.8
66S	0.2	0.3	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70S																		
74S																		
78S																		
82S																		
86S																		
90S																		

TABLE 5-3 JAN SEA-SURFACE TEMPERATURE (DEG C)

[illegible]

TABLE 5-4 JAN SURFACE RELATIVE HUMIDITY (%)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	81.5	91.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
86N	93.7	95.3	94.5	91.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
82N	81.5	80.2	79.0	77.3	74.0	77.9	79.0	80.3	81.7	82.5	82.0	80.0	78.3	77.8	78.3	78.0	80.4	81.1
78N	74.7	67.4	63.1	66.2	61.1	62.8	64.9	70.1	73.3	75.0	84.6	94.2	83.5	83.0	83.1	81.1	80.7	93.4
74N	78.8	66.4	58.5	65.1	54.9	57.2	57.4	61.9	64.5	77.1	90.9	94.3	87.5	87.5	85.6	80.1	86.1	87.7
70N	82.4	76.8	69.5	70.4	72.7	86.8	77.4	77.5	85.2	90.1	99.1	98.1	88.1	89.1	93.5	99.0	100.0	89.8
66N	74.0	76.6	75.1	70.5	67.7	76.2	80.4	80.2	83.3	88.0	97.6	91.0	81.2	88.5	89.3	94.0	88.5	96.4
62N	87.1	87.8	83.7	81.2	85.2	81.2	89.4	89.0	90.0	80.1	95.9	95.2	84.1	83.2	85.3	84.3	87.5	95.9
58N	95.9	94.9	88.4	84.7	90.0	81.9	88.5	94.6	90.4	81.4	91.0	90.7	86.0	86.6	84.5	84.1	87.2	96.3
54N	91.9	92.4	87.4	79.0	79.3	77.1	80.3	85.0	93.3	87.2	87.5	81.5	83.1	78.5	86.5	83.2	83.7	93.9
50N	85.9	87.8	82.3	77.2	76.7	77.8	77.4	83.7	96.8	91.9	82.5	85.3	88.8	74.2	83.6	87.5	81.6	76.6
46N	84.6	83.1	81.2	77.1	76.2	75.6	78.1	81.7	84.6	88.5	86.2	85.8	64.3	75.2	70.8	61.1	59.4	66.0
42N	79.4	79.3	78.9	75.5	74.2	75.1	78.0	81.1	84.7	88.2	85.6	71.8	69.6	75.0	67.0	55.4	59.7	66.7
38N	79.5	80.4	81.1	79.4	78.8	79.3	80.1	82.3	85.4	88.6	87.9	81.8	75.0	57.9	48.2	54.5	60.0	66.8
34N	84.0	84.3	85.4	85.8	84.2	84.7	82.7	83.3	95.0	88.1	90.4	90.2	76.3	42.6	58.2	50.0	58.6	66.1
30N	83.4	82.8	81.8	81.2	80.2	80.2	79.1	79.6	81.7	85.5	90.0	92.4	83.6	56.5	41.6	40.9	64.6	73.2
26N	79.0	78.5	77.9	77.4	75.6	73.7	73.4	74.3	76.2	82.1	87.8	92.0	88.3	80.1	67.5	45.3	68.4	74.5
22N	76.4	77.1	76.0	75.8	74.4	72.0	72.8	73.9	75.6	81.2	85.0	87.8	84.9	87.4	82.7	63.5	60.1	77.4
18N	75.5	76.7	76.0	76.4	75.8	74.1	75.4	77.0	78.2	81.7	84.7	85.3	85.0	86.1	86.1	76.4	63.2	77.9
14N	75.1	76.0	76.8	78.0	78.3	78.1	80.2	82.2	82.4	85.4	85.4	85.8	86.2	83.0	82.6	75.0	77.4	76.4
10N	73.1	74.0	75.8	78.1	79.6	80.5	83.5	85.6	86.7	87.2	87.2	87.2	86.7	83.6	77.2	76.7	78.6	78.1
6N	72.1	71.5	72.6	76.3	78.5	78.6	82.3	84.4	85.8	86.4	86.6	87.0	84.3	85.0	83.5	82.0	83.6	80.5
2N	72.9	71.7	71.3	75.3	76.8	75.3	78.8	81.3	82.2	83.0	83.3	84.6	84.9	85.0	84.5	84.2	83.6	82.2
2S	75.1	73.9	72.2	74.6	74.4	71.3	73.7	77.0	78.4	79.4	79.5	79.5	79.3	92.2	84.0	85.2	85.2	82.1
6S	77.9	76.8	74.5	74.3	72.7	69.2	69.8	73.2	76.3	76.8	74.1	74.4	72.3	73.7	76.6	80.0	81.9	80.4
10S	79.8	78.3	75.9	75.0	74.6	73.2	70.9	72.2	76.8	75.8	73.9	71.6	70.6	70.5	71.7	76.8	80.2	78.7
14S	80.1	80.2	77.4	76.8	76.7	77.6	72.6	76.6	77.2	75.5	72.1	71.6	70.3	70.9	71.0	74.1	76.6	77.1
18S	76.1	77.7	77.7	78.1	78.1	78.7	76.1	78.0	77.2	75.0	72.7	71.8	71.5	71.2	71.4	72.9	73.8	74.3
22S	72.4	74.3	76.8	78.3	78.9	79.3	79.0	78.2	77.1	75.5	74.4	73.4	73.0	71.7	72.1	72.3	71.7	71.5
26S	70.3	72.0	75.3	77.9	79.4	80.5	80.5	78.7	77.3	76.7	76.3	75.7	74.2	72.6	72.6	71.6	70.5	69.6
30S	68.3	71.4	74.7	78.1	79.6	81.1	81.1	79.6	78.6	77.7	77.7	76.2	74.8	74.3	72.8	70.0	70.4	69.4
34S	75.0	74.5	79.5	82.3	82.6	82.6	83.0	81.0	80.0	79.8	79.2	77.9	76.5	75.2	74.1	73.1	72.0	72.9
38S	80.3	80.3	81.7	82.5	84.4	84.1	84.0	83.1	82.7	82.4	82.0	81.2	80.6	78.0	77.7	77.5	76.2	77.1
42S	83.9	84.8	85.0	84.9	85.8	84.8	84.9	84.9	84.2	83.5	83.9	83.6	84.0	83.4	82.2	82.4	82.0	82.5
46S	86.1	86.7	87.1	86.3	86.6	85.1	86.0	86.2	84.7	83.8	84.7	84.7	85.6	86.5	86.0	86.5	86.9	87.5
50S	87.3	87.9	87.9	88.5	87.9	87.2	87.4	87.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.8
54S	89.5	89.7	89.2	88.8	88.6	89.0	88.5	88.6	87.5	87.5	87.5	86.5	88.0	87.0	87.0	86.6	86.1	86.7
58S	91.9	91.9	91.6	91.4	90.6	91.2	91.3	90.5	89.3	89.3	89.4	89.2	89.6	88.3	88.7	87.7	87.5	88.1
62S	93.1	93.1	93.1	93.0	92.6	92.6	93.0	92.2	92.6	91.4	91.4	91.8	91.5	90.7	91.1	90.0	90.3	90.7
66S	93.0	93.0	92.9	92.8	92.5	92.1	92.0	91.8	91.7	91.7	91.6	91.4	91.4	91.6	91.7	91.2	92.1	92.0
70S	92.9	92.9	92.8	92.1	90.8	88.7	88.1	87.4	86.7	86.7	86.1	85.5	85.4	84.1	84.8	84.8	84.7	88.1
74S	86.8	87.8	87.8	86.0	85.2	84.2	84.6	81.8	82.1	73.6	62.1	61.8	61.6	61.5	57.6	53.9	61.7	59.2
78S	85.4	85.5	83.1	75.6	80.7	84.2	89.5	87.0	87.2	92.4	75.4	75.1	75.1	71.1	68.6	69.4	70.6	65.7
82S	84.9	84.5	82.0	75.0	80.6	84.6	86.0	85.9	88.8	88.7	85.6	85.6	88.5	81.0	83.9	85.1	83.5	76.4
86S	80.9	80.9	80.9	80.9	80.9	80.9	75.2	75.2	80.7	80.6	74.9	74.9	80.5	74.8	80.3	74.6	80.2	74.4
90S	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2

TABLE 5-4 JAN SURFACE RELATIVE HUMIDITY (3)

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
86N	80.9	83.6	84.3	84.4	89.4	89.4	93.1	92.3	90.2	86.0	83.3	80.7	78.8	77.5	75.7	72.3	70.6	69.6
82N	82.3	85.8	85.1	61.9	58.9	67.2	61.1	57.2	57.2	55.7	55.2	57.1	42.5	40.5	35.3	28.3	21.1	65.5
78N	87.7	90.2	88.5	50.6	44.1	49.0	47.3	42.8	39.2	39.2	39.8	42.7	40.0	31.3	25.8	18.8	79.5	69.7
74N	90.9	92.0	90.3	82.0	56.6	50.6	50.6	57.5	53.5	39.8	37.3	31.0	40.8	81.0	66.6	77.3	99.0	77.6
70N	78.5	80.2	78.8	79.0	84.6	86.5	81.3	84.5	85.9	48.6	34.0	13.0	87.8	84.4	86.4	98.4	87.9	78.6
66N	93.1	86.6	83.9	85.3	85.9	83.0	84.9	79.4	26.1	39.3	62.8	58.5	87.5	85.5	85.0	88.4	80.4	82.0
62N	84.7	78.9	77.1	84.6	91.2	89.1	88.5	89.0	42.9	58.3	71.3	78.3	83.6	85.7	86.5	96.3	92.6	83.4
58N	77.0	71.3	68.0	75.4	82.4	94.3	82.4	95.6	72.2	74.0	76.1	79.3	81.3	82.4	78.2	77.7	90.4	86.6
54N	78.6	73.0	65.8	89.9	83.0	94.4	76.2	93.2	83.2	74.6	76.8	80.3	80.8	78.6	75.3	74.2	93.8	89.3
50N	87.1	92.5	81.2	90.2	84.3	92.8	96.0	91.0	98.5	79.2	75.8	81.1	78.0	77.6	76.1	78.1	79.1	82.8
46N	78.1	85.1	85.2	77.7	77.3	85.0	93.4	78.4	86.7	88.3	75.7	80.6	81.3	80.0	77.6	79.2	83.3	75.6
42N	73.3	77.6	76.4	72.6	84.8	81.0	80.3	83.1	84.1	84.7	78.7	80.4	82.3	90.4	78.7	78.3	80.3	80.4
38N	70.9	66.5	67.8	75.4	84.4	79.0	81.5	80.2	79.4	80.1	80.9	81.2	82.8	80.4	78.0	76.2	76.4	85.7
34N	68.8	61.3	66.1	80.4	76.2	77.5	76.5	75.7	76.3	77.9	80.0	81.7	82.8	80.0	77.0	75.5	73.8	76.8
30N	65.0	80.6	75.9	75.4	75.4	73.7	74.9	74.9	73.9	75.4	75.8	77.7	79.2	78.2	76.1	70.6	71.0	46.7
26N	79.4	84.4	72.3	75.1	75.2	73.4	72.9	72.5	72.3	73.6	74.1	76.3	77.8	76.7	75.8	65.9	40.8	32.9
22N	78.6	82.3	73.6	79.7	73.3	71.4	71.4	72.3	72.3	73.9	74.6	76.1	75.7	75.3	74.0	47.0	31.3	27.0
18N	74.8	77.9	75.7	76.5	73.4	72.4	71.3	71.3	73.7	75.0	74.1	76.1	75.5	74.4	70.2	42.6	28.4	29.0
14N	73.7	70.9	77.2	76.3	74.6	73.4	75.3	73.1	77.5	77.7	78.9	79.8	78.5	75.7	64.9	41.4	32.5	35.6
10N	75.3	58.5	79.1	71.1	75.6	73.7	76.5	80.5	85.7	85.1	85.6	86.1	84.5	81.0	78.9	73.2	58.7	35.8
6N	74.6	70.6	75.0	67.1	83.1	83.0	79.0	80.6	86.1	89.1	90.5	90.2	87.2	88.4	86.0	84.4	87.4	69.6
2N	75.5	75.6	75.9	75.1	89.4	86.3	79.3	81.5	83.8	85.2	84.6	84.7	83.4	85.2	86.1	85.8	85.6	82.8
25	76.7	77.3	83.7	82.7	87.4	87.4	82.5	85.7	84.4	81.1	70.1	76.9	78.0	81.3	80.9	80.8	81.2	81.0
6S	77.3	78.2	78.5	82.6	87.7	87.3	87.8	90.5	87.3	90.3	56.5	72.1	78.4	78.4	75.4	74.4	75.3	76.3
10S	76.8	77.3	79.2	76.6	85.1	83.1	87.2	87.8	84.6	83.1	53.3	73.5	77.2	75.7	72.3	71.3	72.2	73.1
14S	75.9	76.0	77.7	74.7	75.0	78.3	85.5	81.9	87.0	87.7	78.0	78.7	77.1	74.5	71.6	69.5	69.9	71.9
18S	75.3	75.6	76.0	73.4	73.7	71.5	84.0	77.7	83.2	83.8	83.5	80.1	76.3	73.6	70.8	68.5	68.0	70.4
22S	73.4	75.2	75.2	72.7	69.2	56.8	77.5	75.8	77.7	81.0	81.0	78.9	74.5	72.1	68.9	67.6	66.3	68.4
26S	70.9	74.0	74.1	72.5	63.4	46.7	67.1	75.3	73.7	80.1	78.2	75.9	77.0	77.4	65.3	67.5	66.1	69.7
30S	71.2	72.0	72.5	72.4	69.8	59.2	60.6	74.0	74.0	74.4	73.0	71.6	68.9	70.2	70.1	68.7	70.8	70.3
34S	72.8	74.4	76.2	75.3	72.6	55.3	62.7	74.1	78.3	76.0	74.5	73.4	72.5	71.5	77.8	74.7	75.1	76.1
38S	77.2	77.9	79.7	82.4	55.1	51.6	70.1	78.8	81.4	78.2	76.7	75.6	75.7	76.7	77.8	79.6	81.1	82.1
42S	82.2	82.3	84.0	86.7	45.0	51.1	78.7	85.4	82.8	79.7	78.1	77.2	77.5	78.5	80.7	83.9	84.3	85.8
46S	86.0	87.1	87.9	88.9	45.3	55.8	84.2	89.9	83.1	80.3	78.8	78.3	78.5	78.6	92.5	84.4	85.1	87.6
50S	87.2	87.8	87.2	79.7	49.5	68.7	82.6	87.7	84.1	81.2	80.6	80.5	81.6	82.7	84.4	84.8	81.2	81.8
54S	85.6	84.8	82.4	74.4	64.6	73.8	78.7	82.7	81.9	82.7	83.3	83.4	85.0	87.7	86.4	88.4	87.5	89.1
58S	87.2	86.4	83.1	78.9	76.5	80.5	81.2	84.5	84.7	85.9	87.6	86.9	87.3	87.8	85.1	85.1	84.0	83.0
62S	90.1	89.9	87.7	88.6	85.4	87.3	87.4	89.0	87.0	95.9	85.4	84.5	84.1	83.1	80.3	78.1	76.9	75.7
66S	91.5	92.0	91.1	90.1	88.7	80.4	87.0	89.6	84.3	78.8	78.2	77.4	77.3	77.1	75.0	74.1	72.0	70.9
70S	88.1	88.1	83.6	81.7	79.8	78.4	79.5	77.1	74.8	74.8	73.7	74.8	74.2	75.4	74.2	74.1	74.7	73.5
74S	61.6	57.6	54.9	53.6	72.6	77.1	60.6	73.6	73.1	73.6	72.9	73.6	73.4	71.8	64.2	54.1	70.8	86.4
78S	67.1	55.7	55.7	58.7	63.8	66.0	61.5	68.7	68.6	68.9	68.6	62.3	58.7	64.0	66.3	64.2	77.1	90.8
82S	76.4	65.7	65.2	68.8	67.9	65.6	69.3	71.9	72.0	72.0	69.5	62.5	58.3	65.7	78.4	75.0	82.8	90.8
86S	74.4	74.4	74.4	74.4	80.2	74.4	74.4	80.2	80.2	80.2	79.4	74.5	74.4	74.3	78.9	74.1	79.7	85.9
90S	69.2	68.2	68.2	64.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	64.2	68.7	68.2

TABLE 5-4 JAN SURFACE RELATIVE HUMIDITY (%)

	OE	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
86N	70.7	76.0	78.0	85.0	81.8	87.0	83.8	83.8	94.0	92.6	94.7	90.4	88.7	86.7	85.3	81.5	81.5	81.5
82N	70.0	79.9	83.5	89.2	85.9	86.9	83.6	82.3	84.4	81.6	80.2	77.1	75.6	72.8	70.0	75.6	74.4	82.4
78N	72.5	78.7	82.0	86.6	85.2	81.8	76.2	73.0	68.7	69.4	67.6	63.8	62.5	61.6	62.2	69.1	74.3	71.1
74N	74.6	75.0	76.5	80.5	85.1	79.0	71.5	63.8	56.7	61.6	61.9	55.4	64.8	56.3	61.7	70.9	86.6	92.4
70N	74.8	83.2	82.6	80.6	80.9	91.0	91.1	67.0	53.3	56.8	58.6	50.3	54.0	53.9	64.2	74.2	90.4	93.6
66N	76.7	80.1	84.0	93.2	89.7	87.5	84.5	80.3	81.7	83.8	85.4	84.3	86.8	85.5	89.2	92.0	96.5	86.4
62N	83.8	79.9	83.3	96.5	92.1	84.0	82.0	86.0	90.0	86.2	93.4	92.7	90.0	86.4	87.0	94.2	97.6	83.6
58N	86.0	77.5	85.1	90.9	86.4	83.2	83.6	87.0	90.1	85.8	93.1	92.3	83.4	79.3	82.9	90.8	94.3	83.4
54N	85.6	77.0	85.6	83.7	80.0	84.2	87.9	87.5	89.9	92.9	94.5	94.5	79.7	78.3	86.5	88.0	99.0	85.7
50N	99.3	93.0	82.5	83.4	85.2	83.2	92.6	91.1	84.2	99.2	98.4	92.0	77.6	82.3	90.4	90.4	84.3	92.3
46N	86.1	82.4	84.8	73.0	80.0	80.9	88.5	83.1	80.6	86.6	98.5	96.6	80.0	82.4	90.8	90.0	86.9	66.4
42N	72.3	74.4	80.1	69.9	72.3	71.5	79.3	78.4	77.8	54.8	81.7	95.2	74.8	61.9	76.0	80.1	64.4	59.3
38N	68.7	70.9	71.8	71.9	67.5	67.5	71.4	73.4	77.8	55.0	80.3	87.0	75.1	55.4	60.3	69.8	51.5	56.1
34N	69.3	67.0	64.8	74.4	73.4	66.4	67.4	67.4	78.3	72.9	91.8	79.5	81.4	59.3	53.5	62.8	51.8	58.2
30N	57.3	54.8	65.4	68.9	67.1	56.7	63.2	60.5	72.4	64.6	85.7	87.0	83.7	48.1	71.0	59.7	62.3	79.5
26N	37.0	33.8	48.2	53.0	50.3	47.9	48.5	55.0	56.5	55.6	60.3	65.9	73.6	66.0	45.4	74.2	57.8	62.6
22N	25.3	27.3	34.9	39.2	39.0	40.1	37.9	40.4	56.4	47.8	42.0	45.2	71.2	76.0	53.3	54.5	55.6	58.7
18N	21.2	23.1	27.9	30.3	32.4	35.2	30.7	34.5	55.9	49.3	46.8	48.4	72.0	77.7	64.9	45.1	61.4	65.8
14N	22.6	22.9	24.2	25.8	28.7	34.2	27.0	34.2	51.5	59.6	68.7	72.8	73.0	76.2	68.5	51.0	74.7	79.3
10N	28.7	40.7	20.0	24.4	26.0	38.7	27.4	27.3	49.4	65.7	60.4	75.5	75.1	75.2	74.3	69.3	94.6	82.6
6N	68.1	72.4	60.1	56.7	53.3	60.9	41.7	32.0	47.5	54.5	72.3	79.1	77.5	77.2	77.0	74.8	78.2	81.0
2N	84.6	85.7	83.9	77.3	71.4	77.2	60.1	39.8	57.1	64.0	80.1	80.1	78.7	78.9	77.4	74.5	75.0	75.3
25	82.5	84.4	87.6	82.0	77.1	83.0	74.6	54.6	69.7	75.5	82.2	80.1	79.8	78.9	77.3	76.4	75.2	77.0
65	77.6	79.4	84.9	80.5	76.9	80.6	78.1	72.8	77.8	76.0	80.0	80.4	81.0	78.4	77.5	77.2	76.3	77.1
10S	74.1	79.9	79.4	80.7	76.1	77.2	75.6	77.0	75.9	76.8	79.2	81.2	82.2	80.7	78.3	76.9	75.9	76.3
14S	73.1	79.5	78.4	60.8	73.1	77.9	75.6	79.9	70.0	80.0	78.3	82.4	82.2	79.5	75.0	74.5	75.0	75.5
18S	72.8	77.4	80.1	53.3	61.2	69.5	70.0	76.8	73.2	80.3	79.6	77.9	73.6	75.1	74.2	72.9	73.4	73.8
22S	71.7	74.8	81.7	59.1	45.1	58.1	63.6	75.5	77.3	79.7	78.1	75.2	73.0	72.4	73.3	72.5	72.7	73.3
26S	70.3	73.6	81.0	75.4	33.2	48.3	61.8	77.4	78.5	78.8	74.8	75.6	72.6	72.6	73.2	73.2	73.2	74.3
30S	71.6	73.5	76.9	83.9	32.2	43.3	71.9	78.9	77.9	77.9	76.8	75.4	73.5	73.4	73.4	73.3	73.7	75.6
34S	78.4	79.2	81.2	79.4	66.0	68.0	74.4	77.4	79.1	79.1	77.7	76.6	76.2	76.5	76.0	76.5	78.1	78.1
38S	83.8	84.4	81.8	79.6	78.9	76.9	77.1	79.1	80.7	81.0	80.4	78.7	78.7	78.0	79.7	79.5	80.9	81.6
42S	86.9	87.8	84.1	82.6	81.4	80.7	81.1	82.4	83.3	85.9	87.2	84.0	83.2	82.7	83.2	83.4	84.3	85.5
46S	88.9	89.7	89.1	86.9	86.2	86.4	86.0	85.8	86.2	91.0	94.1	89.8	87.1	86.0	85.7	86.3	87.3	87.9
50S	93.8	92.5	91.8	90.5	89.2	88.0	88.0	87.3	86.7	86.7	86.7	85.5	82.0	80.9	82.1	82.6	85.0	85.6
54S	90.0	89.2	88.5	88.3	87.0	84.3	83.3	81.3	80.7	79.3	80.7	80.1	79.9	80.1	79.9	80.5	81.4	82.5
58S	82.5	81.5	81.3	80.6	79.4	77.2	76.5	74.9	74.0	73.1	73.7	74.5	75.4	76.6	77.5	78.0	78.3	79.1
62S	74.2	72.9	72.2	71.6	70.9	70.0	69.5	68.9	69.0	67.3	66.9	68.7	70.4	72.2	74.3	75.5	75.5	75.6
66S	71.3	67.0	65.8	65.7	64.0	63.9	63.6	63.9	65.9	63.9	62.9	63.4	64.5	66.4	69.2	70.3	70.2	72.8
70S	85.6	68.0	68.0	67.4	59.4	58.9	58.9	60.6	73.1	66.8	66.1	60.2	55.5	56.9	56.2	59.0	57.4	71.5
74S	89.5	84.7	84.7	84.5	82.1	81.9	81.9	82.4	86.4	84.7	84.6	80.6	81.6	74.8	66.0	71.2	76.1	86.2
78S	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.7	90.7	90.6	90.6	90.6	90.6	90.5	90.5	84.0	87.3	90.7
82S	87.3	90.8	90.8	90.7	90.7	90.7	90.7	90.6	90.6	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6
86S	79.5	85.8	85.8	85.7	85.7	85.7	85.7	85.6	85.6	85.6	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
90S	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	69.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2

TABLE 5-4 JAN SURFACE RELATIVE HUMIDITY (3)

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150F	155E	160F	165E	170E	175E
90N	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
86N	82.4	84.4	85.0	87.8	86.4	86.3	87.7	86.3	85.6	84.9	84.9	85.6	87.0	88.5	89.2	89.9	85.2	95.3
82N	71.3	68.3	69.2	71.8	76.3	79.9	84.9	83.4	82.5	80.8	83.4	82.5	82.0	85.2	82.5	79.6	77.3	82.6
78N	75.3	72.3	68.8	65.8	68.0	68.9	71.6	73.8	77.4	81.5	86.0	83.2	82.0	85.2	82.5	79.6	77.3	76.6
74N	94.0	96.7	85.9	74.2	66.3	60.4	57.8	57.1	62.4	68.3	76.7	82.9	85.6	96.7	92.7	88.5	79.7	81.0
70N	95.2	98.1	96.1	89.4	71.7	60.9	55.0	60.8	70.5	78.8	68.9	77.9	89.4	95.1	83.0	83.6	70.1	78.6
66N	73.4	66.6	83.6	82.8	79.7	73.4	69.4	66.2	62.8	72.4	70.4	94.8	77.8	73.5	78.0	80.4	85.4	81.2
62N	78.0	77.5	89.0	80.1	77.9	74.9	71.5	65.4	66.3	83.9	77.3	77.7	71.5	67.0	65.5	70.7	86.8	91.5
58N	79.6	80.4	89.6	79.4	73.4	71.4	72.2	70.6	79.6	86.7	79.3	61.7	65.9	67.7	65.3	77.1	83.3	93.8
54N	72.6	68.1	80.7	78.3	72.8	69.3	78.1	80.6	93.3	79.2	74.8	57.6	63.9	71.9	74.0	78.5	81.0	87.1
50N	70.0	69.9	72.2	74.3	83.4	74.0	90.1	78.0	83.1	80.2	68.4	72.0	74.8	78.7	75.0	65.1	81.3	80.9
46N	43.3	72.9	76.2	86.4	85.4	73.1	73.9	67.8	76.6	90.3	61.0	75.2	83.5	71.3	78.2	76.7	81.6	82.1
42N	43.3	54.2	56.3	76.4	64.2	55.7	60.7	65.2	61.6	80.1	67.1	73.2	78.9	70.5	74.6	76.9	78.7	79.0
38N	59.4	44.6	48.2	71.4	58.0	57.5	56.9	64.2	58.3	72.9	69.9	68.8	72.0	71.1	72.4	75.2	77.1	78.9
34N	89.4	47.2	48.4	75.6	67.0	73.9	63.8	64.6	65.1	71.9	67.3	66.6	69.9	72.7	75.0	76.6	78.8	82.1
30N	90.6	62.9	41.3	79.8	75.8	69.8	84.6	70.7	70.7	67.7	70.2	72.8	76.8	78.9	82.1	81.7	83.9	82.8
26N	67.2	61.8	48.5	68.5	70.4	78.2	90.8	74.6	75.0	75.3	74.3	76.4	78.1	79.2	79.2	79.1	79.5	78.9
22N	69.6	65.4	64.9	76.5	76.4	81.4	84.6	77.1	77.7	78.4	78.0	79.1	78.0	78.8	77.2	74.1	76.4	76.2
18N	75.4	67.0	73.2	75.5	83.8	80.6	78.5	79.1	78.8	79.1	79.4	79.9	77.9	80.0	77.9	74.0	75.6	74.7
14N	77.6	66.6	70.6	66.2	85.2	79.4	77.4	81.5	80.7	80.3	80.0	80.9	78.9	82.2	78.9	77.7	76.4	74.4
10N	79.6	71.6	74.7	72.4	76.2	92.7	82.6	85.7	87.9	85.8	84.2	82.7	81.1	80.6	80.6	76.3	75.3	74.9
6N	79.2	75.6	67.7	77.0	80.6	81.9	82.6	87.4	86.2	85.4	82.6	82.7	83.2	82.7	82.7	80.2	77.7	75.3
2N	71.4	77.5	73.3	80.8	82.9	82.5	81.7	85.0	84.5	85.3	82.2	82.1	82.5	83.5	83.5	82.1	79.4	76.0
2S	75.6	77.6	77.5	81.2	81.2	80.3	78.6	79.6	80.9	83.0	81.7	82.4	81.7	80.5	80.7	80.8	79.5	77.0
6S	74.8	76.8	76.3	79.6	78.0	76.5	74.5	74.5	79.5	79.5	81.3	82.8	81.3	76.3	74.9	77.1	78.2	78.1
10S	75.9	76.8	78.2	81.7	78.8	77.4	73.6	74.5	75.1	78.8	83.2	80.3	79.7	77.9	68.8	74.1	77.4	78.8
14S	74.6	74.8	75.5	73.5	74.6	73.6	73.4	71.8	63.6	66.0	74.7	76.3	79.0	77.9	73.0	72.6	73.9	75.7
18S	74.8	75.0	75.8	74.2	71.5	63.1	63.9	45.6	41.0	42.4	56.3	62.3	75.9	76.3	74.3	72.7	71.1	72.4
22S	75.0	76.0	77.1	76.6	71.6	50.8	38.7	28.1	28.2	29.0	36.2	45.2	60.5	74.1	74.1	72.7	70.1	70.6
26S	75.4	77.0	78.4	78.0	73.4	44.3	22.2	23.4	26.1	25.4	25.0	33.5	44.8	72.4	73.9	72.7	71.3	70.0
30S	77.5	77.9	79.4	79.4	71.6	53.5	31.7	33.9	34.8	28.8	29.7	32.4	46.9	72.5	74.4	74.3	74.7	68.3
34S	78.4	79.3	80.4	79.6	77.1	69.1	56.8	58.8	58.9	54.3	39.7	36.3	61.3	76.0	76.4	74.2	71.4	68.6
38S	82.2	81.3	82.4	81.6	80.9	77.6	73.3	72.5	68.7	64.6	55.9	52.1	68.0	72.0	72.3	69.9	67.8	69.0
42S	86.2	84.3	85.2	84.7	83.7	81.2	79.2	75.1	70.1	66.2	67.2	65.7	66.5	66.2	67.2	67.6	66.3	73.8
46S	87.9	86.8	87.1	86.6	84.8	82.3	79.3	73.9	71.3	68.7	68.4	66.8	63.4	63.6	65.9	70.2	70.0	82.4
50S	85.7	85.1	83.9	83.9	82.2	81.0	77.1	75.5	74.5	72.5	72.6	69.7	70.2	69.4	74.0	93.2	95.0	86.7
54S	81.6	81.5	81.3	79.9	78.6	77.5	77.2	76.4	77.6	76.7	75.9	77.5	70.1	81.6	86.1	89.7	90.0	89.4
58S	78.3	78.3	78.0	77.0	76.2	75.7	75.0	75.8	77.8	77.3	78.9	83.0	85.2	88.6	91.6	92.4	92.4	91.9
62S	75.1	75.1	74.7	74.4	74.1	74.1	72.7	73.9	75.2	75.6	78.6	82.7	87.0	91.3	93.0	93.1	93.1	93.1
66S	74.4	73.1	73.1	73.1	73.1	73.1	72.7	72.7	75.0	76.5	78.5	77.4	83.0	89.0	89.9	90.6	93.0	93.0
70S	83.9	76.6	76.6	76.6	76.6	76.6	79.4	76.8	91.6	91.6	91.6	70.9	81.7	78.9	78.2	81.7	92.8	92.9
74S	89.2	87.4	87.3	87.4	87.4	87.5	88.2	87.6	78.4	73.0	73.6	80.7	76.0	68.0	72.8	75.1	83.7	85.2
78S	90.7	90.6	90.6	90.7	90.7	90.8	90.8	85.8	79.7	72.8	73.5	79.3	91.5	59.7	75.9	79.0	82.7	83.5
82S	90.6	90.6	90.6	90.7	90.7	82.6	82.7	82.7	82.7	82.7	82.7	76.3	88.2	61.0	75.4	86.0	81.0	83.7
86S	85.5	85.5	85.5	85.6	85.7	79.4	79.4	79.5	79.5	68.6	68.6	74.3	80.1	69.4	69.6	86.7	75.1	80.7
90S	68.2	68.2	63.2	63.2	68.2	68.2	63.2	63.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2

TABLE 5-58 JAN TOTAL CLWD COVER (3/100)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****																		
70N*****																		
66N*****																		
62N	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.3	0.3
58N	0.3	0.4	0.3	0.3	0.3	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.4
54N	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.4	0.6	0.4	0.4	0.5	0.5	0.4	0.5	0.5
50N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.6	0.7	0.7	0.8	0.8	0.6
46N	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8
42N	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.7
38N	0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.7	0.6	0.6	0.6	0.5	0.5
34N	0.5	0.5	0.5	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.5
30N	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.4	0.5	0.5
26N	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.3	0.5	0.5
22N	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.1	0.2	0.3	0.4
18N	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.6
14N	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0
10N	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.2	0.2	0.2	0.2	0.1	0.1
6N	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.2
2N	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3
2S	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
65	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
10S	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
14S	0.4	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2
18S	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22S	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
26S	0.3	0.3	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
30S	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.3
34S	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3
38S	0.3	0.3	0.4	0.3	0.3	0.3	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.3
42S	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5
46S	0.4	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
50S	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.5	0.6	0.5
54S	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5
58S	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6
62S	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.7	0.7
66S	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.9	0.8	0.8
70S	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
74S	0.6	0.7	0.8	0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.9	1.0	1.0	0.9	0.9	0.8	0.9	0.9
78S	1.0	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
86S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TABLE 5-5B JAN TOTAL CLOUD COVER (%/100)

	M06	M58	M08	M54	M07	M51	M04	M56	M05	M55	M09	M59	M01	M57	M02	M52	M03	M53	M01	M51	M02	M52	M03	M53	M01	M51	M02	M52	M03	M53
90N	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
86N	0.5	0.5	0.5	0.6	0.4	0.5	0.4	0.5	0.3	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82N	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
78N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
74N	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70N	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
66N	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
62N	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
58N	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
54N	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
50N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
46N	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
42N	0.8	0.8	0.8	0.7	0.6	0.7	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
38N	0.6	0.6	0.5	0.5	0.7	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34N	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
30N	0.5	0.4	0.5	0.5	0.4	0.3	0.4	0.3	0.4	0.3	0.4</																			

TABLE 5-58 JAN TOTAL CLOUD COVER (3/1961)

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N																		
86N																		
82N																		
78N																		
74N																		
70N																		
66N																		
62N	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
58N	0.3	0.4	0.5	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3
54N	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.5
50N	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8
46N	0.6	0.7	0.6	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.8	0.9	0.9	0.7
42N	0.4	0.4	0.3	0.5	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.9	0.7	0.5
38N	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.6	0.8	0.5	0.4	0.5	0.6	0.7	0.7	0.5	0.5
34N	0.5	0.5	0.6	0.4	0.4	0.4	0.4	0.5	0.7	0.5	0.8	0.4	0.5	0.8	0.5	0.8	0.5	0.6
30N	0.7	0.6	0.5	0.5	0.7	0.7	0.6	0.4	0.5	0.5	0.3	0.4	0.3	0.4	0.3	0.3	0.4	0.5
26N	0.5	0.4	0.3	0.5	0.7	0.4	0.5	0.1	0.2	0.5	0.6	0.3	0.3	0.2	0.3	0.2	0.2	0.2
22N	0.7	0.6	0.7	0.5	0.5	0.5	0.6	0.2	0.4	0.5	0.7	0.5	0.1	0.1	0.1	0.1	0.1	0.1
18N	0.4	0.5	0.7	0.7	0.6	0.7	0.5	0.3	0.2	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.2	0.1
14N	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
10N	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.2
6N	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.3	0.3	0.2	0.2	0.2	0.2
2N	0.2	0.3	0.5	0.3	0.2	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.2
2S	0.2	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.2	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.2
6S	0.1	0.2	0.4	0.5	0.5	0.6	0.6	0.4	0.2	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
10S	0.2	0.2	0.2	0.4	0.5	0.6	0.6	0.7	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2
14S	0.3	0.3	0.3	0.4	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.3	0.4	0.3	0.2	0.2	0.2
18S	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.4	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.1	0.2
22S	0.2	0.2	0.3	0.4	0.5	0.5	0.3	0.4	0.3									

TABLE 5-38 JAN TOTAL CLOUD COVER (3/100)

[illegible]

TABLE 5-6A ANNUAL PRECIPITATION (MM/DAY)

	OE	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65F	70E	74F	80E	85E
93N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
86N	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5
82N	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
78N	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6
74N	1.3	1.4	1.4	1.3	1.5	1.2	1.2	1.2	1.2	1.1	1.0	0.8	0.7	0.7	0.7	0.7	0.8	0.7
70N	2.1	2.1	2.0	1.8	2.7	1.3	1.4	1.4	1.3	1.1	0.9	0.8	0.7	0.7	0.8	0.9	1.1	1.1
66N	2.8	2.6	2.0	1.7	1.7	1.4	1.4	1.2	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.4	1.3
62N	2.8	4.4	2.5	1.5	1.4	1.4	1.5	1.7	1.5	1.5	1.4	1.3	1.4	1.4	1.3	1.4	1.4	1.4
58N	2.6	4.1	2.5	1.5	1.6	1.7	1.8	1.8	1.5	1.5	1.4	1.3	1.4	1.2	1.2	1.2	1.1	1.4
54N	2.2	2.1	2.1	1.8	2.2	2.0	2.0	1.5	1.3	1.2	1.2	1.2	1.2	0.9	1.0	0.9	0.8	1.5
50N	2.1	2.3	2.2	2.2	2.7	1.7	1.4	1.4	1.1	0.7	0.7	0.7	0.7	0.6	0.7	0.8	0.7	2.1
46N	2.1	2.6	2.6	2.7	2.5	1.5	1.2	1.2	2.4	0.7	0.5	0.4	0.4	0.3	0.6	0.5	1.8	0.9
42N	1.6	1.9	1.9	2.8	2.6	1.5	1.3	1.1	1.9	1.1	0.5	0.3	0.3	0.5	1.0	0.4	0.9	0.3
38N	1.4	1.1	1.1	2.1	2.1	1.5	1.3	1.5	1.1	1.4	0.6	0.4	0.3	1.0	1.4	0.4	0.4	0.3
34N	1.1	0.6	0.6	1.0	0.9	1.1	0.9	1.7	0.5	1.1	0.7	0.6	0.5	1.2	1.2	0.7	1.6	0.7
30N	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.7	0.7	0.7	0.5	0.6	1.4	5.5	1.4
26N	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.4	0.6	0.6	0.7	2.4	3.3	4.1
22N	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.6	1.1	1.7	2.3	3.0	4.0
18N	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.6	0.4	0.2	0.1	0.2	1.0	1.9	2.8	2.3	3.0	3.7
14N	1.5	1.6	1.4	1.0	1.1	1.1	1.0	1.4	1.0	0.4	0.3	0.5	1.7	3.1	3.6	3.5	2.8	4.1
10N	3.5	3.9	3.4	2.7	2.7	2.7	2.1	2.9	2.1	0.7	0.5	1.4	3.1	4.1	4.1	6.8	2.7	4.1
6N	2.9	7.4	5.6	3.8	3.7	3.8	3.0	1.7	1.5	0.5	1.0	3.0	4.5	5.2	5.1	5.1	3.9	4.1
2N	2.3	4.7	5.8	4.0	4.9	4.3	3.8	2.2	1.9	1.8	2.9	4.7	5.5	6.0	6.0	5.6	5.3	5.4
2S	1.5	1.7	3.9	3.8	5.2	4.3	3.6	2.5	1.9	3.5	4.7	5.8	6.2	6.6	6.6	6.6	6.6	6.8
6S	0.6	0.6	1.1	3.4	4.7	3.8	2.8	2.2	3.3	5.0	5.6	6.1	6.4	6.7	6.8	7.0	7.1	7.3
10S	0.2	0.2	0.2	3.1	4.1	2.7	3.0	3.0	2.7	5.5	5.6	5.8	5.9	6.0	6.4	6.5	6.6	6.5
14S	0.4	0.2	0.2	2.8	3.0	2.7	2.5	2.8	2.7	4.4	6.6	5.0	5.0	5.0	5.2	5.7	5.8	5.7
18S	0.6	0.4	0.2	1.7	1.9	1.9	1.8	2.8	2.0	3.3	6.0	4.2	3.9	3.8	3.8	4.0	3.9	3.9
22S	1.1	0.7	0.3	0.7	1.0	1.4	1.9	2.8	1.5	2.5	4.6	3.3	3.0	2.8	2.7	2.6	2.5	2.3
26S	1.8	1.2	0.7	0.2	0.5	1.4	2.5	2.8	1.5	2.0	3.0	2.6	2.5	2.3	2.2	2.1	2.0	1.8
30S	2.5	2.0	1.1	0.2	0.4	1.3	2.7	3.0	2.1	1.7	2.1	2.2	2.4	2.1	2.0	2.0	2.0	2.0
34S	3.3	2.9	2.6	2.2	1.7	2.5	3.2	3.2	2.8	2.5	2.3	2.4	2.5	2.4	2.3	2.3	2.3	2.4
38S	4.0	3.7	3.5	3.4	3.1	3.6	3.8	3.8	3.6	3.3	3.0	2.9	2.8	2.8	2.8	2.8	2.9	3.0
42S	4.4	4.3	4.2	4.1	4.1	4.2	4.2	4.2	4.1	3.9	3.7	3.6	3.3	3.2	3.3	3.3	3.6	3.7
46S	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.2	4.1	3.8	3.6	3.6	3.9	4.1	4.1
50S	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.0	3.8	3.7	3.9	4.1	4.2
54S	3.7	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.1	4.0	4.0	3.8	3.8	3.6	3.5	3.7	3.7	3.8
58S	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.3	3.7	3.2	3.1	3.1	3.1	3.1	3.2
62S	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.5	2.4	2.9	2.5	2.5	2.5	2.4	2.4	2.4
66S	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.8	1.7	1.6	1.4	1.5	1.6	1.7	1.8	1.7	1.6	1.6
70S	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.4	0.3	0.3	0.5	0.7	0.9	0.7	0.6	0.5
74S	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.5	0.5	0.3
78S	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.2	0.2
82S	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1
86S	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
90S	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TABLE 5-6A ANNUAL PRECIPITATION (MM/DAY)

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
86N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
78N	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
74N	0.8	0.9	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70N	1.4	1.4	1.1	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
66N	1.4	1.3	1.2	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
62N	1.4	1.3	1.1	1.0	0.9	0.9	0.7	0.8	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.5
58N	1.4	1.3	1.2	1.1	1.0	1.1	0.9	1.0	1.0	1.0	1.3	1.4	1.5	1.6	1.8	1.7	1.8	2.2
54N	1.2	1.2	1.1	1.2	0.7	1.1	1.3	1.4	1.4	1.6	1.5	1.6	1.8	2.2	2.6	2.5	2.6	3.0
50N	0.7	0.7	0.7	0.7	0.7	1.3	1.4	1.4	1.4	2.0	1.8	2.0	2.3	2.7	3.0	3.2	3.4	3.5
46N	0.5	0.7	0.5	0.5	0.4	0.8	1.1	1.4	1.8	2.3	2.6	2.6	2.8	3.1	3.5	3.7	4.0	4.2
42N	0.3	0.4	0.3	0.4	0.7	1.2	1.4	2.1	2.4	3.0	4.4	3.6	3.5	3.6	3.9	4.3	4.5	4.6
38N	0.4	0.5	0.5	0.8	1.2	1.4	1.8	2.6	3.3	4.2	5.4	4.4	4.0	3.9	4.1	4.5	4.9	4.7
34N	1.0	1.1	1.2	1.6	1.8	1.8	2.2	3.0	4.5	5.5	5.3	4.7	4.2	3.9	4.0	4.1	4.8	4.2
30N	1.6	2.2	1.9	2.7	3.3	3.4	3.0	4.1	5.8	5.8	5.2	4.6	4.1	3.7	3.4	3.4	3.4	3.3
26N	6.9	5.4	3.1	3.8	4.4	3.7	2.8	5.8	5.9	5.3	4.9	4.4	3.9	3.0	2.8	2.8	2.8	2.8
22N	7.0	4.1	4.2	4.9	4.6	3.7	4.6	6.4	6.1	5.4	5.0	4.6	4.0	3.2	2.7	2.7	2.7	2.6
18N	5.7	4.5	5.0	5.5	4.8	5.4	6.0	7.0	6.4	5.8	5.5	5.3	4.7	4.0	3.5	3.3	3.2	3.0
14N	5.2	7.1	5.4	5.5	5.2	5.9	7.9	7.9	6.8	6.5	6.5	6.3	5.9	5.3	4.9	4.4	4.1	4.0
10N	5.5	7.2	5.5	5.5	5.3	7.4	7.7	8.2	6.8	7.7	7.7	7.3	7.1	6.8	6.3	5.5	5.3	5.3
6N	5.8	8.0	6.8	6.5	7.1	8.0	8.1	8.3	7.1	7.0	7.6	8.0	8.1	8.5	8.9	8.8	8.9	8.1
2N	6.3	8.0	7.8	7.1	8.0	8.3	7.7	7.8	7.0	6.8	7.5	7.8	7.9	8.0	7.3	7.5	7.2	6.2
2S	7.0	7.8	8.1	7.1	8.4	8.4	7.8	7.8	7.4	7.4	7.9	8.0	8.0	7.8	7.3	6.5	5.8	5.9
6S	7.4	7.4	7.5	6.7	7.8	7.9	7.9	7.7	7.5	7.5	7.8	7.9	8.2	8.3	8.3	7.4	6.7	8.1
10S	6.4	6.2	6.2	6.2	5.8	5.5	5.5	5.3	4.8	4.6	4.8	5.2	6.8	9.2	8.5	8.4	8.2	7.9
14S	5.1	4.5	3.4	2.9	2.8	3.0	3.6	3.3	2.9	2.9	3.5	3.8	4.9	6.0	6.6	7.3	7.5	7.3
18S	3.2	2.4	1.7	1.3	1.2	1.5	1.9	1.7	1.6	1.6	2.1	2.8	3.7	4.5	5.1	5.9	6.2	6.2
22S	1.7	1.4	1.1	0.8	0.6	0.8	1.0	0.9	0.9	0.9	1.1	2.0	2.9	3.6	4.1	4.8	5.1	5.1
26S	1.4	1.5	1.4	1.2	0.9	0.8	0.8	0.7	0.6	0.7	0.7	1.3	2.3	3.1	3.6	4.1	4.4	4.5
30S	2.0	2.1	2.1	2.1	2.1	1.4	0.7	0.5	0.5	0.7	0.7	0.8	1.9	3.0	3.4	3.8	4.0	4.0
34S	2.4	2.5	2.5	2.6	2.7	2.5	2.3	2.3	2.3	1.2	1.0	1.2	2.6	3.1	3.4	3.7	4.0	4.0
38S	3.1	3.2	3.3	3.5	3.6	3.6	3.6	3.6	3.6	2.7	2.3	1.7	2.7	3.0	3.4	3.5	3.3	3.0
42S	3.7	3.9	4.0	4.1	4.2	4.2	4.2	4.2	4.2	3.8	3.3	2.5	2.8	3.0	3.2	3.2	2.9	2.6
46S	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.1	3.7	3.1	2.9	3.0	3.1	2.9	2.8	2.6
50S	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	3.7	3.3	3.1	3.0	3.0	3.1	3.0	3.0
54S	3.8	3.9	3.9	3.9	3.8	3.7	3.6	3.5	3.3	3.2	2.9	2.8	2.7	2.7	2.7	2.8	2.8	2.8
58S	3.1	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.4	2.4	2.3	2.3	2.4	2.5	2.5
62S	2.4	2.4	2.4	2.4	2.3	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1
66S	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.6	1.7	1.8
70S	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	1.0	1.4
74S	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.7	0.9	1.2
78S	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.8
82S	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.8
86S	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.8
90S	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.8

TABLE 5-6B (DJF) PRECIPITATION (MM/DAY)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
86N																		
82N																		
78N	0.3	0.3	0.3															
74N	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
70N																		
66N	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.4
62N	0.9	1.0	0.9	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.6	0.5	0.4	0.4	0.4	0.5
58N	1.3	1.3	1.2	1.1	1.1	1.2	2.6	4.4	4.4	1.1	1.0	1.0	0.8	0.6	0.5	0.5	0.5	0.6
54N	1.8	1.8	1.7	1.7	1.7	2.2	3.7	5.7	5.9	2.4	2.4	1.3	1.0	0.8	0.7	0.7	0.7	0.8
50N	2.3	2.3	2.3	2.4	2.4	3.3	3.6	4.1	4.5	4.2	4.4	2.0	1.1	1.0	0.9	0.9	0.9	1.0
46N	3.6	3.6	3.7	3.7	3.9	4.1	4.0	3.8	3.5	4.1	5.5	4.1	1.4	1.4	1.2	1.2	1.3	1.4
42N	4.3	4.3	4.4	4.6	4.6	4.7	4.5	4.2	3.9	3.7	4.1	3.5	1.1	1.4	1.1	1.2	1.4	1.8
38N	4.8	4.7	4.8	4.8	4.7	4.5	4.4	4.0	3.7	3.2	3.2	3.0	1.0	1.0	1.0	1.3	1.4	2.2
34N	5.8	5.7	5.6	5.4	5.2	4.9	4.6	4.2	3.9	3.2	3.0	3.0	1.3	0.9	0.9	1.4	1.9	3.1
30N	5.1	4.9	4.7	4.4	4.2	4.0	3.6	3.2	3.2	2.5	2.2	1.9	1.2	0.9	1.0	1.1	2.1	3.4
26N	4.1	4.0	3.8	3.5	3.4	3.1	2.7	2.6	2.4	1.7	1.5	1.1	0.9	0.9	1.7	1.3	2.1	3.4
22N	3.2	3.1	3.0	2.8	2.7	2.5	2.3	2.0	1.8	1.4	1.3	1.0	0.9	0.8	1.0	1.5	1.7	2.5
18N	3.0	2.9	2.8	2.8	2.7	2.5	2.3	2.0	1.6	1.5	1.4	1.4	1.4	1.3	1.3	2.5	1.6	2.9
14N	2.1	2.1	2.0	2.0	2.0	1.8	1.7	1.5	1.4	1.3	1.2	1.3	1.3	1.3	1.4	2.4	1.8	2.0
10N	2.8	2.8	2.8	2.7	2.7	2.5	2.4	2.4	2.4	2.1	1.8	2.2	2.2	2.4	2.6	3.4	3.3	2.7
6N	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.7	3.7	4.0	4.0	4.9	5.0	5.0	4.8	5.8
2N	7.4	7.4	7.4	6.3	5.8	6.1	6.3	6.3	6.3	7.3	7.3	7.4	6.3	6.6	6.6	6.1	6.1	6.6
2S	5.5	4.7	4.5	3.7	3.2	3.3	3.4	3.4	3.4	3.9	3.9	3.8	3.2	3.0	3.0	3.0	2.7	2.7
6S	6.2	4.6	3.3	2.9	2.3	2.2	2.2	2.2	2.2	2.0	1.9	1.6	1.4	1.1	0.8	0.6	0.5	0.3
10S	7.6	6.9	4.7	4.6	4.0	3.8	3.5	3.3	3.2	3.0	2.7	2.2	2.0	1.6	1.2	0.6	0.5	0.4
14S	8.8	8.8	8.8	8.4	7.9	7.3	6.4	5.6	5.1	4.9	4.4	3.7	3.3	2.7	2.5	1.7	1.3	0.9
18S	8.8	8.8	8.8	8.4	7.9	7.1	6.9	6.3	6.0	5.9	5.8	4.7	4.0	4.1	3.7	3.1	2.4	1

TABLE 5-68 (DJF) PRECIPITATION (MM/DAY)

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90M	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
86M	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82M	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
78M	0.3	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
74M	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70M	0.7	0.7	0.6	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
66M	0.7	0.7	0.6	0.5	0.4	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.5	0.6	0.7	0.8
62M	0.7	0.7	0.6	0.5	0.5	0.7	0.5	0.6	0.6	0.5	0.9	0.9	0.9	0.9	0.8	1.0	1.2	1.2
58M	0.7	0.7	0.6	0.6	0.5	0.9	0.7	0.8	0.8	0.8	1.1	1.1	1.2	1.3	1.4	1.6	1.5	1.8
54M	0.6	0.6	0.6	0.6	0.4	0.9	1.0	1.1	1.1	1.3	1.2	1.3	1.5	1.7	2.1	2.0	2.1	2.4
50M	0.4	0.4	0.4	0.4	0.4	0.7	1.3	1.4	1.4	2.0	1.8	2.0	2.3	2.7	3.0	3.2	3.4	3.5
46M	0.3	0.3	0.3	0.3	0.2	0.8	1.1	1.4	1.8	2.3	2.7	2.6	2.8	3.1	3.5	3.7	4.0	4.2
42M	0.1	0.2	0.2	0.2	0.4	1.2	1.4	2.1	2.4	3.0	4.4	3.7	3.5	3.6	3.9	4.3	4.5	4.6
38M	0.2	0.2	0.3	0.4	0.6	1.7	2.2	3.2	4.1	5.3	6.8	5.5	5.0	4.9	5.1	5.5	6.1	5.8
34M	0.5	0.6	0.6	0.8	0.9	2.2	2.8	3.7	5.5	6.9	6.6	5.8	5.2	4.9	4.9	5.2	6.0	5.2
30M	0.9	1.1	1.0	1.4	1.7	4.3	3.7	5.1	7.2	7.2	6.5	5.8	5.1	4.6	4.3	4.3	4.3	4.1
26M	3.6	2.8	1.6	2.0	2.3	4.3	3.2	6.8	6.8	6.2	5.7	5.1	4.5	3.5	3.3	3.3	3.2	3.2
22M	3.6	2.1	2.2	2.6	2.4	4.3	5.3	7.5	7.0	6.2	5.8	5.3	4.7	3.7	3.2	3.1	3.1	3.1
18M	2.3	1.8	2.0	2.2	1.9	3.2	4.3	5.1	4.6	4.2	4.0	3.8	3.4	2.9	2.5	2.3	2.3	2.2
14M	2.1	2.9	2.2	2.2	2.1	4.7	4.7	5.7	4.9	4.7	4.7	4.5	4.3	3.8	3.6	3.2	3.0	2.9
10M	2.2	2.9	2.2	2.2	2.1	5.3	5.5	5.9	4.9	5.5	5.5	5.2	5.1	4.9	4.5	3.9	3.8	3.8
6M	5.1	7.1	6.0	5.7	6.2	7.7	7.8	8.0	6.8	6.8	7.3	7.7	7.8	8.2	8.6	8.4	8.6	7.8
2M	5.6	7.1	6.9	6.2	7.1	8.0	7.4	7.5	6.7	6.6	7.3	7.6	7.6	7.7	7.6	7.2	7.0	5.9
2S	8.6	8.4	8.8	7.7	9.0	11.1	10.4	10.3	9.8	9.8	10.5	10.6	10.6	10.3	9.7	8.6	7.7	7.8
6S	7.0	8.0	8.2	7.3	8.5	10.5	10.4	10.3	10.0	9.9	10.3	10.5	10.8	11.0	11.0	9.8	8.8	10.7
10S	7.7	7.5	7.4	7.4	7.0	7.0	7.0	6.8	6.2	5.9	6.2	6.7	8.8	10.5	10.9	10.7	10.5	10.2
14S	6.2	5.5	4.1	3.5	3.4	3.9	4.6	4.2	3.7	3.8	4.5	4.9	6.2	7.7	8.5	9.4	9.6	9.4
18S	3.8	2.9	2.1	1.5	1.4	1.9	2.5	2.2	2.0	2.1	2.7	3.6	4.8	5.8	6.6	7.6	8.0	7.9
22S	1.7	1.3	1.1	0.8	0.6	0.8	1.0	0.9	0.8	0.9	1.0	1.9	2.8	3.4	4.0	4.6	4.9	4.9
26S	1.4	1.5	1.3	1.2	0.9	0.8	0.8	0.6	0.6	0.6	0.6	1.2	2.2	2.9	3.5	4.0	4.2	4.3
30S	1.4	1.4	1.4	1.4	1.4	1.0	0.5	0.4	0.4	0.5	0.5	0.6	1.4	2.2	2.5	2.7	2.9	2.9
34S	1.6	1.7	1.7	1.8	1.9	1.8	1.7	1.7	1.7	0.9	0.7	0.8	1.9	2.2	2.5	2.6	2.6	2.5
38S	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.6	2.6	1.9	1.6	1.2	2.0	2.2	2.4	2.5	2.4	2.2
42S	3.3	3.4	3.5	3.6	3.7	3.7	3.7	3.7	3.7	3.3	2.9	2.2	2.5	2.7	2.9	2.9	2.6	2.3
46S	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.3	2.8	2.6	2.7	2.7	2.6	2.5	2.3
50S	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.3	2.9	2.7	2.7	2.7	2.7	2.7	2.6
54S	3.4	3.4	3.5	3.4	3.4	3.6	3.4	3.3	3.2	3.1	2.8	2.7	2.6	2.6	2.6	2.7	2.7	2.7
58S	2.8	2.8	2.8	2.8	2.7	2.8	2.7	2.6	2.5	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4
62S	2.1	2.1	2.1	2.1	2.0	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0
66S	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.6	1.6	1.7
70S	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.7	1.0	1.3
74S	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.9	1.1
78S	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.8
82S	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
86S	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90S	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TABLE 5-7 JAN SURFACE EVAPORATION (MM/DAY)

[illegible]

	90M	85M	80M	75M	70M	65M	60M	55M	50M	45M	40M	35M	30M	25M	20M	15M	10M	5M
90N																		
86N																		
82N																		
78N	0.3	0.3																
74N																		
70N			0.3	0.3	0.3											1.9	2.4	
66N				0.3	0.3											0.6	3.3	
62N								2.5					3.3	3.7	2.5	2.5	3.7	3.8
58N													4.1	4.4	4.3	4.0	3.9	3.7
54N	0.3	0.3		0.3					3.3	4.1	4.6	4.7	4.8	4.8	4.5	4.0	3.7	3.4
50N	0.3	0.3	0.3	0.3														
46N	0.3	0.3	0.3	0.3					2.3	4.2	6.5	6.1	4.8	4.7	4.0	3.6	3.1	2.7
42N	0.3	0.3	0.4	0.4					2.2	6.0	8.5	6.4	4.7	4.2	3.6	3.0	2.6	2.1
38N	0.6	0.6	0.7	4.5	9.5	4.0	4.2	3.7	4.1	6.5	8.5	6.0	4.6	3.8	3.3	2.7	2.1	1.3
34N	1.1	2.0	2.1	9.7	10.1	9.0	6.6	5.8	5.8	6.5	7.2	5.3	4.4	3.7	3.1	2.6	2.1	1.8
30N	1.6	6.3	6.5	6.5	6.5	6.2	6.3	5.9	5.9	5.8	5.4	4.7	4.2	3.7	3.3	2.6	2.1	2.6
26N	5.2	6.2	6.1	6.1	6.1	6.1	6.1	5.8	5.7	5.7	5.4	4.8	4.4	3.8	3.4	2.8	1.0	0.3
22N	3.1	5.6	5.8	5.7	5.9	5.9	5.9	5.6	5.6	5.6	5.4	5.1	4.8	4.1	3.4	0.8	0.5	0.3
18N		3.8	5.5	5.3	5.3	5.5	5.6	5.6	5.4	5.5	5.3	5.1	4.8	4.0	3.4	0.8	0.3	0.3
14N		1.6	4.5	4.5	4.4	4.5	5.3	5.4	5.2	5.4	5.1	5.0	4.8	4.0	3.2	0.6	0.6	0.6
10N	3.2	1.6	1.6	2.3	1.6	1.6	5.0	5.1	5.1	5.2	5.0	4.8	4.5	3.8	2.8	1.6	1.9	0.6
6N	2.8	2.9	4.2		2.0		2.3	3.3	4.8	4.8	4.6	4.5	4.1	3.3	2.8	2.1	1.3	1.4
2N	2.1	2.8	3.3		2.3		2.0	2.3	3.2	4.7	4.4	4.3	3.8	3.3	2.8	2.6	2.4	2.2
2S	2.0	2.5	1.6	2.3	2.5	2.5	2.5	2.2	2.3	3.7	3.3	3.8	3.8	3.6	3.2	3.1	3.0	2.9
6S	2.6	2.4	1.0	2.4	2.6	2.8	2.8	2.6	2.5	2.4	1.9	3.2	3.8	3.8	3.7	3.7	3.5	3.4
10S	3.2	2.4	2.6	2.3	2.5	2.9	3.0	2.9	2.7	2.7	2.3	3.2	3.5	3.7	3.8	3.8	3.6	3.6
14S	3.7	3.1	2.7	0.7		3.0	3.1	3.2	2.9	3.3	3.0	3.4	3.5	3.7	3.8	4.0	3.9	3.7
18S	4.1	3.5	2.9	1.7			3.4	3.6	3.2	3.8	2.8	3.3	3.5	3.6	3.8	4.0	3.9	3.7
22S	4.1	3.5	2.9	2.5	0.3		3.4	3.8	3.3	3.3	2.3	3.4	3.5	3.7	3.8	4.0	3.9	3.7
26S	3.6	3.1	2.8	2.3		2.6	3.4	3.4	3.4	2.5	3.4	3.6	3.7	3.8	3.			

	OE	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70F	75E	80E	85E
90N																		
86N																		
82N																		
78N																		
74N		2.5	2.7	2.9	2.7	1.9	1.9	2.4	2.5	2.1			0.3					
70N	3.2	3.5	3.7	3.7	3.7	0.3	0.3	3.1	3.2	2.7			0.3		0.3	0.3	0.3	0.3
66N	3.6	3.5	3.5	1.0	1.0	0.3	0.3	0.9	0.9	0.8			0.3		0.3	0.3	0.3	0.3
62N	3.6	3.5	1.5	0.3	1.5	1.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
58N	3.4	3.1	1.1	1.0	2.2	1.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
54N	2.9	2.3	1.9	1.7	1.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50N	2.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
46N	0.9	0.6	0.6	0.6	0.3	0.3	1.9	1.9	0.3	0.3	1.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
42N	0.6	2.7	2.7	2.2	0.5	2.1	1.3	1.1			1.9	0.3	0.3	0.3				
38N	0.8	2.7	2.8	3.4	2.0	3.5	1.9	1.5			2.6	0.3	0.3	0.3				
34N	0.8	0.6	0.8	3.0	3.3	3.3	3.0	2.6	0.6	0.4	2.7							
30N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.4	0.8		0.6	0.5	0.3	0.3	0.6	
26N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3		5.1	5.1	0.3	0.3	0.4	
22N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.2	0.3	0.3	0.3	4.2	6.0	3.9	0.3	0.3	0.7
18N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.3		0.3	2.6	5.9	5.4	5.6	0.3	0.7	2.7
14N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			0.3	5.9	5.5	4.7	4.3	0.9	1.8	5.2
10N	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3		0.3	0.3	5.2	4.7	4.0	3.2	3.2	3.9	4.2
6N	1.4	1.4	1.1	0.8	0.7	0.8	0.3	0.3		0.3	3.8	4.7	3.9	2.4	3.0	3.0	3.3	3.4
2N	2.4	2.3	2.1	1.9	1.8	1.8	0.3	1.1	0.5	2.8	4.3	4.0	3.4	3.1	2.9	2.9	2.8	2.8
25	3.0	2.7	2.3	2.5	2.5	2.4		1.9	2.0	4.5	4.0	3.6	3.3	3.1	2.9	2.8	2.8	2.7
65	3.3	2.7	2.0	2.4	2.7	2.5	2.5	2.4	4.5	4.4	4.1	3.8	3.5	3.2	3.0	3.0	3.0	3.1
105	3.4	3.2	2.4	2.3	2.5	2.6	2.6	2.5	4.5	4.5	4.4	4.2	4.0	3.6	3.2	3.2	3.6	4.0
145	3.4	3.3	2.7	2.3	2.5	2.6	2.7	2.7	3.0	4.1	3.5	4.8	4.8	4.6	4.6	4.6	4.6	4.8
185	3.5	3.3	2.8		2.4	2.5	2.8	3.0	3.5	3.5	3.5	5.1	5.2	5.2	5.3	5.3	5.3	5.3
225	3.5	3.3	2.9		2.0	2.4	3.0	3.2	4.1	3.2	4.9	5.2	5.4	5.4	5.4	5.4	5.4	5.4
265	3.4	3.2	2.9	0.8	1.4	2.1		3.4	4.2	3.5	5.0	5.1	5.3	5.3	5.2	5.2	5.2	5.2
305	3.2	3.0	2.7	2.9	0.3	1.5		3.9	4.2	4.5	4.8	4.9	4.9	4.9	4.9	4.9	4.8	4.8
345	2.8	2.6	2.4	2.8	2.6	2.9		3.9	4.1	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4.0	4.0
385	2.4	2.2	2.1	2.6	3.3	3.3	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3
425	2.0	1.8	1.9	2.3	2.8	3.0	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7
465	1.5	1.5	1.5	1.8	2.0	2.1	2.3	2.4	2.4	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.3
505	1.0	1.0	1.0	1.2	1.5	1.6	1.7	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	1.9	1.9	1.9
545	0.7	0.7	0.8	0.9	0.9	1.1	1.2	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.9
585	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8
625																		
665																		
705																		
745																		
785																		
825																		
865																		
905																		

TABLE 5-7 JAN SURFACE EVAPORATION (MM/DAY)

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N																		
86N																		
82N																		
78N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
74N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
66N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
62N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
58N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
54N	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50N																		
46N																		
42N																		
38N																		
34N																		
30N																		
26N																		
22N	3.7	0.6																
18N	5.7	2.7	0.8	1.0														
14N	5.1	5.2	1.4	1.2	3.6	3.7	4.0	4.4	5.6	6.4	7.2	8.0	8.2	8.6	7.8	7.4	7.0	6.6
10N	4.3	4.0	3.8	1.6	3.2	3.2	3.4	3.6	4.0	4.5	5.0	5.5	5.6	5.6	5.6	5.6	5.6	5.5
6N	3.4	3.2	3.0	2.6	2.8	2.8	2.9	3.1	3.4	3.7	4.0	4.3	4.6	4.6	4.6	4.6	4.8	4.7
2N	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	3.1	3.2	3.4	3.6	3.7	3.7	3.7	4.0	4.0
2S	2.7	2.9	3.0		2.9	2.9	2.7	2.6	2.5	2.7	3.0	2.8	2.8	2.9	3.0	3.1	3.4	3.5
6S	3.3	3.6	3.6		3.4	3.4	3.1	3.0	2.7	2.6	2.5	2.5	2.5	2.6	2.6	2.9	3.1	3.2
10S	3.7	4.6	4.5	4.3	4.0	4.0	3.9	3.5	3.2	3.2	3.1	3.0	2.8	2.8	2.9	3.0	3.2	3.2
14S	4.9	5.1	4.9	4.7	4.5	4.4	3.9	3.6	3.8	3.9	3.8	3.6	3.6	3.5	3.5	3.5	3.5	3.6
18S	5.4	5.4	5.4	4.9	4.6	4.0	2.5	2.6	2.8	2.8	3.1	3.3	3.6	4.1	4.1	4.1	4.1	4.0
22S	5.4	5.4	5.4	4.9	4.0	2.5	1.1	1.4	1.5	1.4	1.8	2.4	3.1	4.5	4.6	4.7	4.7	4.4
26S	5.1	5.1	4.9	4.8	3.4	0.6	0.4	0.6	0.6	0.6	0.8	1.5	2.6	5.0	5.0	5.1	5.1	4.7
30S	4.8	4.7	4.5	4.5	4.0	0.3	0.5	0.5	0.5	0.5	0.6							

TABLE 5-8 JAN SOLAR RADIATION (100LV/DAY)

	90M	85M	80M	75M	70M	65M	60M	55M	50M	45M	40M	35M	30M	25M	20M	15M	10M	5M
90N	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
86M	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82N	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4
78N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
74N	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70N	1.1	1.0	1.0	1.1	1.1	1.1	1.0	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9
66M	1.3	1.2	1.3	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.1
62N	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.7
58N	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0
54N	2.3	2.4	2.4	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4
50N	2.6	2.7	2.8	3.0	3.0	3.0	3.0	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
46M	3.1	3.2	3.3	3.4	3.5	3.5	3.4	3.4	3.2	3.2	3.1	3.2	3.2	3.4	3.6	3.7	3.9	4.0
42N	3.4	3.5	3.7	3.7	3.9	3.9	3.9	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.9	4.0	4.2	4.2
38N	3.8	3.8	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.3	4.4	4.5
34N	4.1	4.1	4.1	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.4	4.6	4.7
30N	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
26N	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
22N	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
18N	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
14N	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
10M	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
6N	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
2N	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
25	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2S	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
2S	7.4	7.4	7.4	7.4	7.4</													

TABLE 5-8 JAN SOLAR RADIATION (100LV/DAY)

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N																		
86N																		
82N																		
78N																		
74N																		
70N	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
66N	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62N	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
58N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
54N	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.7
50N	0.9	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.1	1.2	1.2	1.2
46N	1.2	1.3	1.3	1.3	1.2		1.2	1.2	1.2	1.1	1.2	1.3	1.4	1.4	1.4	1.5		1.6
42N	1.8	1.9	1.8	1.6	1.6		1.6	1.7			1.5	1.6	1.7	1.7				1.9
38N	2.4	2.3	2.2	2.1	2.1	2.1	2.2	2.3			2.0							
34N	2.9	2.9	2.9	2.9	2.9	2.8	2.8	3.0	2.9		2.8							
30N	3.7	3.7	3.7	3.7	3.6	3.5	3.3	3.4	3.5	3.5	3.5							
26N	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.8							
22N	4.3	4.3	4.4	4.4	4.5	4.6	4.6	4.6	4.6	4.4	4.4	4.3	3.9	3.9	4.0	4.7	4.0	
18N	4.5	4.6	4.6	4.7	4.8	4.9	5.1	5.1			4.8	4.6	4.4	4.5	4.8	5.1	5.1	4.6
14N	4.7	4.7	4.8	4.9	5.1	5.3	5.4	5.4			4.9	4.7	4.4	4.6	5.0	5.3	5.2	5.0
10N	4.7	4.9	5.2	5.2	5.5	5.7	5.7	5.3			4.9	4.7	4.4	4.6	4.8	5.0	5.0	4.8
6N	3.9	3.6	3.6	4.5	5.0	4.7	4.8	4.8			4.8	4.5	4.4	4.4	4.4	4.5	4.5	4.5
2N	3.9	3.5	3.1	3.5	4.1	4.2		4.8	4.6	4.8	4.4	4.3	4.3	4.4	4.4	4.4	4.5	4.5
2S	4.3	4.0	3.4	3.3	3.9	4.3		4.8	4.6	4.4	4.1	4.2	4.5	4.6	4.7	4.6	4.6	4.6
6S	4.7	4.6	4.1	4.0	4.4	4.6	4.7	4.6	4.2	4.0	4.1	4.4	4.7	4.9	5.0	4.9	4.9	4.8
10S	4.7	4.7	4.7	4.7	4.6	4.5	4.3	4.0	3.9	4.0	4.3	4.8	5.0	5.2	5.3	5.3	5.3	5.3
14S	4.5	4.4	4.7	4.6	4.4	4.3	4.0	3.9	4.0	4.4	4.6	5.0	5.2	5.4	5.4	5.5	5.5	5.6
18S	4.6	4.4	4.9		5.2	5.3	5.2	4.9	4.9	5.1	4.8	5.2	5.4	5.4	5.5	5.6	5.6	5.6
22S	5.0	4.9	5.1		6.1	6.3	6.0	5.7	5.6	5.7	5.1	5.4</						

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N																		
86N																		
82N																		
78N																		
74N																		
70N	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
66N	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62N	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
58N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
54N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
50N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
46N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
42N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
34N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
26N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
22N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
14N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
10N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
6N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
6S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
10S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
14S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
22S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
26S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
34S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
42S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
46S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
50S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
54S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
58S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
62S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
66S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
74S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
78S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
86S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

TABLE 5-9 JAN SURFACE RADIATION BALANCE (100LY/DAY)

[illegible]

TABLE 5-9 JAN SURFACE RADIATION BALANCE (100LY/DAY)

	90N	85N	80N	75N	70N	65N	60N	55N	50N	45N	40N	35N	30N	25N	20N	15N	10N	5N
90NS	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86NS	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82NS	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78N	-0.3	-0.3	-0.3	*****	*****	*****	*****	-0.8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74N	*****	-0.3	-0.3	*****	*****	*****	*****	*****	-0.7	*****	*****	*****	*****	*****	*****	*****	*****	*****
70NS	*****	-0.3	-0.3	*****	*****	*****	*****	*****	-0.5	-0.5	-0.5	-0.4	-0.6	-0.6	-0.6	-0.6	-0.5	-0.3
66NS	*****	-0.3	-0.3	*****	*****	*****	*****	*****	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.2
62NS	*****	*****	*****	*****	*****	*****	*****	-0.8	*****	*****	*****	*****	*****	*****	*****	-0.9	-0.9	-0.9
58NS	*****	*****	*****	-0.3	-0.3	*****	*****	*****	-0.7	*****	*****	-0.9	-0.9	-0.9	-0.8	-0.7	-0.7	-0.7
54N	-0.3	-0.3	*****	-0.3	-0.3	-0.3	-0.3	*****	-0.5	-0.5	-0.5	-0.4	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5
50N	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	*****	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1
46N	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	*****	-0.1	-0.1	-0.1	-0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.2
42N	-0.1	-0.1	-0.1	-0.1	-0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.3
38N	0.2	0.2	0.2	0.3	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.9	0.9	0.8
34N	0.5	0.5	0.7	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.1	1.2	1.2	1.2	1.3	1.3	1.3
30N	1.0	1.0	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.7	1.8	1.9	0.9
26N	1.7	1.8	1.9	2.0	2.0	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	1.2	1.0
22N	1.6	2.2	2.3	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.2	2.2	2.3	2.3	2.5	1.1	1.1	1.1
18N	1.6	2.1	2.6	2.7	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.6	2.7	2.7	1.2	1.2	1.1
14N	1.9	1.7	2.7	2.7	2.7	2.7	2.9	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.9	1.4	1.4	1.3
10N	2.8	1.8	2.7	1.9	1.7	1.8	2.8	2.9	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.0	2.0	1.7
6N	2.8	2.4	2.5	1.9	1.8	*****	2.4	2.2	2.6	2.7	2.7	2.7	2.7	2.7	2.8	2.7	2.6	1.9
2N	2.9	2.6	2.4	1.8	1.8	*****	2.3	2.0	2.4	2.5	2.6	2.6	2.6	2.7	2.8	3.1	3.0	2.6
2S	3.2	2.8	2.1	1.7	1.8	2.1	2.3	2.1	2.3	2.4	2.4	2.9	2.9	2.9	3.1	3.3	3.3	3.2
6S	3.5	3.1	2.1	1.7	1.8	2.0	2.3	2.2	2.2	2.2	2.3	3.5	3.5	3.5	3.5	3.5	3.5	3.4
10S	3.6	3.4	3.3	1.7	1.9	2.1	2.2	2.0	2.0	2.0	2.3	4.0	4.0	4.0	4.0	3.8	3.7	3.5
14S	3.6	3.5	3.5	*****	*****	2.3	2.4	2.2	2.0	2.6	2.6	4.1	4.1	4.1	4.1	4.0	3.9	3.5
18S	3.7	3.6	3.6	*****	*****	2.4	2.6	2.6	2.4	2.7	3.5	4.2	4.2	4.2	4.2	4.1	4.0	3.5
22S	3.8	3.7	3.7	3.9	*****	*****	2.8	2.8	2.7	3.2	4.1	4.3	4.3	4.3	4.2	4.1	4.1	3.9
26S	3.8	3.8	3.8	4.0	*****	2.6	3.1	3.0	2.9	4.1	4.3	4.4	4.4	4.3	4.2	4.2	4.1	4.1
30S	3.9	3.8	3.8	4.3	*****	2.7	3.3	3.0	4.0	4.3	4.5	4.5	4.3	4.2	4.2	4.1	4.1	4.2
34S	3.8	3.7	3.8	4.4	*****	3.2	3.2	3.0	4.6	4.4	4.3	4.2	4.1	4.1	4.1	4.1	4.1	4.2
38S	3.6	3.6	3.8	4.4	*****	2.9	4.1	4.0	4.5	4.2	4.0	3.9	3.9	3.9	3.9	4.0	4.0	4.2
42S	3.3	3.4	3.6	4.1	2.5	3.5	4.6	4.5	4.1	3.8	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7
46S	2.9	3.0	3.1	3.4	2.2	4.5	4.3	4.0	3.7	3.4	3.2	3.2	3.1	3.2	3.2	3.2	3.2	3.2
50S	2.5	2.4	2.3	2.0	2.0	3.9	3.8	3.5	3.2	3.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
54S	2.3	2.2	2.2	2.0	2.0	3.2	3.3	2.9	2.8	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
58S	2.4	2.3	2.3	2.3	2.3	2.7	2.8	2.7	2.6	2.6	*****	*****	*****	*****	*****	2.6	2.6	2.6
62S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
66S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
70S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
90S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****																		
70N*****																		
66N*****	-1.1	-1.1	-1.1	-1.1	-1.1	-0.3	-1.1	-1.1	-1.0	-1.0	-1.0	*****	-0.3	*****	-0.3	-0.3	-0.3	-0.3
62N*****	-0.9	-0.9	-0.9	-0.9	-0.5	-0.3	-0.5	-0.5	-0.5	-0.5	-0.5	*****	-0.3	*****	-0.3	-0.3	-0.3	-0.3
58N*****	-0.7	-0.7	-0.5	-0.5	-0.5	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
54N*****	-0.5	-0.5	-0.3	-0.3	-0.5	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
50N*****	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
46N*****	-0.1	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
42N*****	0.2	0.0	*****	*****	-0.0	*****	*****	*****	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1
38N*****	*****	*****	*****	*****	*****	*****	*****	0.3	*****	0.2	*****	*****	0.1	*****	*****	*****	*****	*****
34N*****	0.8	0.8	0.8	*****	*****	*****	*****	0.8	0.7	0.6	*****	*****	0.3	0.4	*****	*****	*****	*****
30N*****	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	*****	*****	0.7	0.7	0.7	0.7	*****	*****
26N*****	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.1	1.0	*****	*****	2.3	2.3	1.1	1.1	*****	*****
22N*****	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	*****	1.1	1.1	*****	2.0	2.0	2.5	1.4	1.3	1.4
18N*****	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	*****	1.2	1.2	2.0	3.1	3.1	3.3	1.6	1.7	2.3
14N*****	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	*****	1.4	1.4	3.3	3.2	3.3	3.4	2.1	2.3	3.4
10N*****	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.9	3.3	3.3	3.3	3.3	3.4	3.4	3.3
6N*****	2.2	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.0	3.1	3.2	3.1	3.2	3.3	3.2	3.1	3.0
2N*****	2.5	2.1	1.9	1.9	1.9	1.9	*****	*****	2.0	2.8	3.1	3.0	3.0	3.2	3.3	3.2	3.1	3.0
2S*****	3.0	2.6	2.3	2.1	2.1	2.1	*****	*****	2.3	3.0	2.8	2.9	3.1	3.4	3.4	3.4	3.3	3.2
6S*****	3.4	3.2	3.0	2.2	2.2	2.2	2.2	2.2	2.6	2.6	2.7	3.1	3.4	3.6	3.7	3.7	3.7	3.6
10S*****	3.3	3.3	3.5	2.3	2.3	2.3	2.3	2.3	2.3	2.6	3.0	3.4	3.7	3.0	4.0	4.0	4.0	4.0
14S*****	3.3	3.2	3.4	2.3	2.4	2.4	2.4	2.4	2.6	3.2	*****	3.7	3.9	4.1	4.1	4.2	4.2	4.2
18S*****	3.3	3.2	3.6	2.4	2.5	2.5	2.5	3.4	3.5	2.4	*****	3.9	4.1	4.1	4.2	4.3	4.3	4.4
22S*****	3.6	3.6	3.8	2.5	2.6	2.6	2.6	4.0	4.0	1.8								

[illegible]

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N*****																		
86N*****																		
82N*****																		
78N*****	0.0	0.0						31.3					16.0	12.3	12.3	11.3	11.3	14.2
74N*****	0.0	0.0																
70N*****			0.0		0.0											20.0	18.3	17.7
66N*****					0.0											14.0	14.3	14.2
62N*****																		
58N*****				0.0														
54N*****	0.0			0.0														
50N*****	0.0	0.0	0.0	0.0														
46N*****	0.0	0.0	0.0	0.0														
42N*****	0.0	0.0	0.0	0.0	12.0	14.0	17.3	15.0	14.0	16.7	19.0	14.0	8.3	7.7	6.5	5.3	5.2	3.7
38N*****	0.4	0.3	0.3	6.7	17.9	19.3	17.1	15.0	14.3	16.7	17.0	10.3	6.3	5.5	4.9	4.4	4.0	3.3
34N*****	1.3	2.5	2.5	14.7	12.8	11.6	10.9	8.9	9.5	8.3	12.3	7.5	5.6	4.7	3.9	3.7	3.3	3.3
30N*****	2.7	10.0	10.0	6.7	5.3	4.7	4.0	4.3	4.7	5.0	5.3	5.0	4.0	3.3	3.0	3.0	3.0	6.7
26N*****	5.9	7.3	7.3	5.3	3.7	3.6	3.5	3.5	3.6	3.7	3.7	3.7	3.5	3.1	3.0	7.3	7.3	8.5
22N*****	6.7	5.3	5.3	4.0	3.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	9.3	9.9	10.2
18N*****	3.9	3.8	3.8	3.2	3.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.6	2.6	11.3	11.9	11.9
14N*****	4.7	2.9	3.1	3.1	3.1	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	11.1	13.1	13.3
10N*****	0.7	10.0	2.3	3.3	3.3	3.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	12.0	13.3
6N*****	0.9	2.8	1.3	3.3	4.7		8.5	5.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.0	8.0
2N*****	1.4	1.4	1.4	3.3	3.8		10.0	7.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7
2S*****	1.1	1.1	6.3	2.8	2.3	2.5	6.7	7.5	2.3	3.0	5.0	1.7	1.7	1.7	1.7	1.5	1.5	1.5
6S*****	0.3	0.3	10.7	2.1	1.5	1.3	1.4	2.3	3.0	4.6	9.7	1.5	1.5	1.5	1.5	1.3	1.3	1.3
10S*****	0.3	0.0	0.0	2.3	2.0	1.3	0.3	0.7	1.7	3.0	8.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14S*****	0.3	0.0	0.0	0.5		2.9	2.2	1.5	1.7	3.8	5.7	0.5	0.7	0.7	0.7	0.7	0.7	0.7
18S*****	0.3	0.0	0.0	0.0			4.1	3.3	2.7	4.6	2.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5
22S*****	0.3	0.0	0.0	0.0	21.5		6.7	5.3	4.3	3.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26S*****	0.3	0.0	0.0	0.0			10.0	7.3	4.5	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30S*****	0.3	0.0	0.0	0.0			12.7	10.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34S*****	0.1	0.0	0.0	0.0			18.1	14.5	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
38S*****	0.0	0.0	0.0	0.0			20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42S*****	0.0	0.0	0.0	0.0	20.4	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46S*****	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50S*****	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54S*****	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58S*****	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62S*****																		
66S*****																		
70S*****																		
74S*****																		
78S*****																		
82S*****																		
86S*****																		
90S*****																		

TABLE 5-10 JAN SURFACE SENSIBLE HEAT FLUX (10⁶ W/M²)

[illegible]

TABLE 5-10 JAN SURFACE SENSIBLE HEAT FLUX (10LY/DAY)

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70N 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66N 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62N 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58N 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54N*****																		
50N*****																		
46N*****																		
42N*****																		
38N*****																		
34N*****																		
30N*****																		
26N*****																		
22N 5.1	13.3	6.4	2.5	2.9	6.8	7.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
18N 3.0	9.2	12.7	8.5	3.2	3.8	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
14N 2.9	2.9	13.9	9.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
10N 2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
6N 2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2N 2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2S 2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
6S 1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10S 1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
14S 1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
18S 1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
22S 1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
26S 0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
30S 0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
34S 0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
38S 0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
42S 0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
46S 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50S 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54S 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58S 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62S*****																		
66S*****																		
70S*****																		
74S*****																		
78S*****																		
82S*****																		
86S*****																		
90S*****																		

TABLE 5-11 JAN TOTAL HEAT BALANCE (100LY/DAY)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
92N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****														-0.4	-0.4			
70N*****														-0.4	-0.4			
66N*****														-0.4	-0.4			-0.4
62N*****													-0.4	-0.4	-0.4			-0.4
58N*****														-0.4	-0.4			-0.5
54N	-3.0	-2.8	-2.5	-2.2	-1.8	-1.9	-2.0	-2.0	-2.0	-1.9					-0.5			-0.5
50N	-1.9	-1.6	-1.6	-1.6	-1.6	-1.6	-1.7	-1.8	-1.7	-1.6					-0.5			-0.5
46N	-2.2	-2.1	-1.8	-1.7	-1.6	-1.6	-1.6	-1.5	-1.5	-1.4								-0.4
42N	-2.9	-2.5	-2.0	-1.7	-1.6	-1.5	-1.5	-1.4	-1.2	-1.0								-0.4
38N	-3.2	-2.6	-2.1	-1.7	-1.5	-1.5	-1.4	-1.4	-1.5	-0.8								-0.3
34N	-3.1	-2.2	-1.9	-1.5	-1.5	-1.5	-1.5	-1.5	-2.1	-1.0								-0.2
30N	-2.4	-1.9	-1.7	-1.6	-1.5	-1.6	-1.8	-2.0	-1.9	-1.1								
26N	-2.1	-1.7	-1.6	-1.5	-1.6	-1.7	-1.9	-2.1	-2.1	-1.8								
22N	-2.0	-1.7	-1.6	-1.6	-1.5	-1.7	-1.8	-1.9	-2.0	-1.8								
18N	-1.7	-1.6	-1.5	-1.4	-1.4	-1.4	-1.5	-1.5	-1.7	-1.7								
14N	-1.3	-1.2	-1.1	-1.1	-1.1	-1.0	-1.0	-1.2	-1.3	-1.3								
10N	-0.7	-0.6	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.6								
6N	-0.2	-0.1	-0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3								
2N	0.2	0.2	0.4	0.4	0.5	0.7	0.9	0.9	1.1	1.2								
2S	0.5	0.6	0.7	0.7	0.8	1.1	1.2	1.3	1.5	1.6								
6S	0.7	0.7	0.8	0.7	0.8	1.1	1.2	1.4	1.4	1.7								
10S	0.8	0.6	0.5	0.5	0.4	0.5	0.7	1.0	1.1	1.3								
14S	0.7	0.6	0.4	0.3	0.3	0.3	0.4	0.5	0.8	0.9								
18S	0.8	0.6	0.4	0.4	0.4	0.5	0.6	0.7	0.9	1.0								
22S	0.9	0.8	0.7	0.8	0.8	1.0	1.1	1.2	1.2	1.3								
26S	1.1	1.2	1.2	1.3	1.3	1.4	1.6	1.6	1.7	1.7								
30S	1.3	1.4	1.5	1.6	1.6	1.7	1.9	2.0	2.0	2.1								
34S	1.5	1.6	1.7	1.8	1.8	1.8	1.9	2.0	2.0	2.0								
38S	1.7	1.8	1.8	1.8	1.9	1.9	1.8	1.9	1.9	1.9								
42S	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8								
46S	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6								
50S	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7								
54S	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8								
58S	2.0																	
62S*****																		
66S*****																		
70S*****																		
74S*****																		
78S*****																		
82S*****																		
86S*****																		
90S*****																		

[illegible]

TABLE 5-11 JAN TOTAL HEAT BALANCE (100PL/DAY)

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****	-4.9	-5.2	-5.2	-5.2	-5.2	-3.8	-4.9	-4.9	-5.3				-0.4					
70N*****	-5.3	-5.8	-5.9	-6.0	-5.9	-0.4	-5.9	-5.6	-5.4	-5.2			-0.4			-0.4	-0.4	-0.4
66N*****	-5.1	-5.1	-5.1		-1.5	-0.4	-1.5	-4.4	-4.3	-1.4			-0.4			-0.4	-0.4	-0.4
62N*****	-4.5	-4.2			-1.5	-0.2	-0.9	-1.9	-1.9	-0.4	-0.4	-0.4				-0.4	-0.4	-0.4
58N*****	-3.5	-3.0		-0.9	-1.9	-1.2	-0.9	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
54N*****	-2.2	-1.7	-1.5	-1.4	-1.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
50N*****	-1.3	-0.3	-0.4	-0.4	-0.5	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
46N*****	-0.4	-0.3			-0.3				-0.5	-0.5			-0.6					
42N*****												-0.5						
38N*****																		
34N*****	-0.2	0.0	-0.1					-1.9	-0.2	-0.3								
30N*****	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2			-0.1			-0.5		
26N*****	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2			-1.5			-0.3		
22N*****	-0.2	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.2	-0.1		-1.3			-0.4	-0.2	-0.0
18N*****	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.3	-0.3		-0.2	-0.2	-0.8			-0.4	0.0	-0.1
14N*****	-0.2	-0.3	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4		-0.2	-0.4	-0.4	0.1	0.5	0.3	0.3	-0.1
10N*****	0.0	0.0	-0.1	-0.2	-0.1	-0.1	-0.2	-0.3		-0.2	-0.4	-0.1	0.1	0.6	1.1	1.1	0.7	0.4
6N*****	0.4	0.3	-0.0	-0.1	-0.1	-0.1	0.1	-0.0		-0.3	0.1	0.1	0.5	0.9	1.1	1.1	0.9	0.8
2N*****	0.6	0.4	0.3	0.1	0.0	-0.0			0.0	0.1	0.2	0.2	0.7	1.1	1.3	1.3	1.2	1.1
2S*****	0.9	0.7	0.7	0.2	0.1	0.1			0.0	0.3	0.1	0.4	0.0	1.3	1.5	1.5	1.5	1.3
25*****	1.3	1.2	1.1	0.1	0.2	0.2		0.0	0.0	0.0	0.0	0.5	1.0	1.5	1.6	1.7	1.5	1.4
10S*****	1.1	1.3	1.6	0.1	0.1	0.0	0.1	0.1	-0.4	-0.2	0.1	0.5	0.8	1.5	1.8	1.8	1.5	1.2
14S*****	0.9	1.1	1.5	0.3	0.2	0.1	0.0	0.5	0.7	0.1		0.5	0.7	1.0	1.1	1.0	0.9	0.8
18S*****	0.9	1.1	1.6		0.2	0.0	-0.2	1.1	1.1	-0.3		0.6	0.5	0.5	0.6	0.6	0.6	0.6
22S*****	1.3	1.5	1.9		0.1	-0.0	-0.4	1.3	1.1	-0.7	0.7	0.6	0.5	0.4	0.5	0.5	0.5	0.6
26S*****	1.9	2.0	2.3	0.8	0.1	-0.0		1.2	1.0	-0.4	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7
30S*****	2.2	2.5	2.9	3.1	0.1	0.1		1.3	1.3	1.3	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
34S*****	2.4	2.7	3.0	2.9	1.9	1.5		1.5	1.4	1.4	1.3	1.2	1.3	1.2	1.3	1.2	1.2	1.2
38S*****	2.6	2.8	2.9	2.5	1.9	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.4	1.3	1.4	1.4
42S*****	2.5	2.6	2.6	2.2	1.8	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.4
46S*****	2.2	2.3	2.3	2.1	2.0	1.9	1.7	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.3
50S*****	1.9	2.0	2.0	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
54S*****	1.8	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4
58S*****	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
62S*****																		
66S*****																		
70S*****																		
74S*****																		
78S*****																		
82S*****																		
86S*****																		
90S*****																		

TABLE 5-11 JAN TOTAL HEAT BALANCE (100LY/OAY)

[illegible]

TABLE 5-12 JAN 800MB TEMPERATURE (DEG C)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	-25.0	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.0	-25.0	-25.0	-25.0	-25.0	-25.0	-25.9	-25.9
96N	-25.8	-25.9	-25.9	-25.7	-25.5	-25.4	-25.3	-25.3	-25.3	-25.3	-25.3	-25.3	-25.4	-25.6	-25.7	-25.7	-25.9	-25.8
92N	-25.6	-25.5	-25.4	-25.2	-24.9	-24.8	-24.6	-24.6	-24.6	-24.6	-24.6	-24.7	-24.9	-24.8	-24.8	-24.6	-25.7	-25.8
78N	-24.8	-24.5	-24.2	-23.8	-23.4	-23.2	-23.1	-23.0	-23.1	-23.5	-23.5	-23.0	-24.3	-23.6	-25.3	-25.6	-25.9	-25.9
74N	-23.2	-22.9	-22.4	-21.6	-20.8	-20.5	-20.4	-20.7	-21.1	-21.7	-22.4	-23.0	-23.8	-23.0	-25.7	-26.1	-26.4	-26.3
70N	-21.5	-21.6	-21.1	-19.2	-17.5	-16.6	-16.9	-17.9	-19.3	-20.7	-22.0	-22.6	-23.7	-24.0	-26.0	-26.8	-27.5	-27.2
66N	-17.6	-17.7	-15.6	-14.9	-13.8	-13.2	-13.8	-15.9	-17.7	-19.3	-20.0	-20.8	-21.4	-22.0	-23.8	-24.7	-25.2	-25.0
62N	-14.1	-14.0	-13.1	-12.0	-11.2	-10.8	-10.8	-11.3	-12.4	-15.3	-16.8	-18.2	-19.7	-20.5	-21.6	-22.6	-23.6	-24.4
58N	-12.1	-11.7	-10.8	-10.0	-9.2	-8.8	-8.4	-7.8	-8.1	-10.5	-12.4	-14.6	-16.0	-17.3	-18.8	-20.2	-21.6	-22.5
54N	-11.2	-10.6	-9.3	-8.3	-7.5	-6.8	-6.5	-6.2	-6.1	-6.4	-7.8	-10.3	-11.0	-11.4	-15.2	-17.1	-18.6	-19.8
50N	-10.0	-9.1	-8.0	-6.6	-5.4	-4.7	-4.7	-4.7	-4.5	-4.5	-5.1	-6.4	-7.9	-8.7	-10.5	-12.8	-14.4	-15.4
46N	-7.7	-6.9	-5.5	-4.1	-3.1	-2.5	-2.4	-2.5	-2.5	-2.5	-2.7	-3.5	-5.1	-6.2	-7.3	-8.2	-9.5	-10.9
42N	-4.4	-3.7	-2.4	-1.6	-0.6	-0.2	-0.1	-0.2	-0.4	-0.3	-0.2	-0.3	-1.4	-3.1	-5.0	-4.6	-5.4	-6.6
38N	-0.7	-0.1	0.7	1.1	1.8	2.1	2.1	2.0	1.8	1.9	2.2	2.7	2.1	0.5	-1.4	-0.9	-1.2	-2.4
34N	2.9	3.2	3.5	3.8	4.0	4.0	4.0	3.9	3.8	4.1	4.6	5.4	5.2	4.4	3.5	3.0	2.9	1.3
30N	5.5	5.7	5.9	6.0	6.1	6.1	5.9	5.7	5.4	5.9	7.1	7.9	8.3	8.3	7.5	6.7	5.4	4.1
26N	7.8	7.8	7.9	8.1	8.3	8.1	7.9	7.8	7.7	8.1	9.1	10.1	10.7	11.4	11.4	10.3	9.5	7.7
22N	9.8	9.7	9.7	9.9	10.0	9.9	9.5	9.6	9.8	10.3	11.2	12.1	12.0	13.4	14.0	13.4	11.9	10.2
18N	11.6	11.4	11.5	11.5	11.5	11.4	11.2	11.4	11.7	12.3	13.2	13.8	14.5	15.2	15.4	15.2	13.6	12.3
14N	13.1	12.8	12.9	12.9	12.8	12.7	12.8	12.9	13.4	13.7	14.7	15.1	15.5	15.7	15.8	15.8	15.1	14.3
10N	14.3	14.1	14.0	13.9	13.9	13.8	13.9	14.0	14.4	14.6	15.3	15.6	15.8	15.8	15.9	15.9	15.8	15.3
6N	14.9	14.7	14.6	15.1	14.9	14.8	15.0	15.1	15.0	14.9	15.4	15.7	15.9	15.0	15.0	15.0	15.8	15.7
2N	15.3	15.1	14.9	15.1	14.9	15.2	15.3	15.4	15.2	15.2	15.5	15.7	15.9	15.0	15.0	15.0	15.8	15.7
2S	15.5	15.3	15.2	15.2	15.2	15.2	15.3	15.4	15.5	15.5	15.6	15.6	15.8	15.9	15.9	15.9	15.7	15.4
6S	15.7	15.6	15.5	15.5	15.5	15.5	15.5	15.6	15.6	15.7	15.6	15.5	15.6	15.7	15.7	15.6	15.5	15.1
10S	15.9	15.8	15.7	15.6	15.6	15.5	15.5	15.5	15.5	15.5	15.4	15.4	15.4	15.5	15.5	15.3	15.1	14.8
14S	15.6	15.6	15.5	15.4	15.3	15.3	15.0	14.9	14.9	14.9	15.0	15.0	15.0	14.0	14.0	14.8	14.6	14.3
18S	14.8	14.8	14.7	14.5	14.4	14.2	14.1	14.0	14.1	14.1	14.2	14.3	14.3	14.3	14.2	14.2	14.0	13.8
22S	13.5	13.5	13.4	13.2	13.1	12.9	12.9	12.9	12.9	13.0	13.0	13.2	13.2	13.2	13.2	13.1	13.0	12.8
26S	11.8	11.8	11.7	11.7	11.7	11.6	11.6	11.6	11.6	11.6	11.7	11.8	11.8	11.0	11.8	11.7	11.6	11.4
30S	10.2	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2	10.3	10.3	10.3	10.3	10.3	10.2	10.1	10.0	9.8
34S	8.0	8.9	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.8	8.8	8.7	8.7	8.7	8.7	8.6	8.5	8.3
38S	7.6	7.5	7.4	7.4	7.4	7.3	7.3	7.2	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.1	6.9	6.7
42S	5.9	5.8	5.8	5.7	5.7	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.2	5.0
46S	3.9	3.8	3.7	3.7	3.6	3.6	3.5	3.4	3.5	3.5	3.5	3.5	3.3	3.4	3.4	3.3	3.2	3.2
50S	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
54S	-1.3	-1.3	-1.2	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0
58S	-3.8	-3.7	-3.7	-3.6	-3.6	-3.5	-3.5	-3.5	-3.4	-3.4	-3.4	-3.4	-3.3	-3.3	-3.3	-3.2	-3.3	-3.2
62S	-6.2	-6.1	-6.0	-5.9	-5.9	-5.7	-5.7	-5.7	-5.6	-5.6	-5.5	-5.5	-5.5	-5.5	-5.5	-5.5	-5.5	-5.5
66S	-8.5	-8.3	-8.1	-8.0	-7.9	-7.8	-7.8	-7.7	-7.7	-7.7	-7.6	-7.7	-7.7	-7.7	-7.7	-7.7	-7.7	-7.8
70S	-10.5	-10.3	-10.0	-9.9	-9.7	-9.7	-9.7	-9.7	-9.7	-9.7	-9.7	-9.7	-9.7	-9.9	-9.9	-10.0	-10.0	-10.2
74S	-12.2	-11.8	-11.5	-11.4	-11.3	-11.2	-11.3	-11.3	-11.5	-11.5	-11.7	-11.8	-12.1	-12.4	-12.6	-13.0	-13.3	-13.8
78S	-13.5	-13.1	-13.0	-12.8	-12.8	-12.8	-12.8	-12.9	-13.1	-13.3	-13.5	-13.8	-14.1	-14.5	-14.8	-15.1	-15.3	-15.7
82S	-14.8	-14.6	-14.5	-14.4	-14.4	-14.4	-14.4	-14.5	-14.7	-14.9	-15.0	-15.3	-15.6	-15.8	-16.1	-16.2	-16.3	-16.5
86S	-16.3	-16.3	-16.2	-16.2	-16.2	-16.2	-16.1	-16.2	-16.2	-16.3	-16.5	-16.5	-16.7	-16.8	-16.9	-16.9	-17.0	-17.1
90S	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3

TABLE 5-12 JAN 800NB TEMPERATURE (DEG C)

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9
96N	-25.8	-25.7	-25.7	-25.6	-25.5	-25.3	-25.9	-25.5	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9
92N	-25.6	-25.5	-25.5	-25.2	-24.9	-24.6	-24.1	-24.2	-24.3	-24.3	-24.3	-24.3	-24.2	-23.9	-23.7	-23.7	-23.4	-23.0
78N	-25.7	-25.5	-25.3	-24.4	-24.2	-23.6	-22.7	-22.2	-21.9	-21.7	-21.4	-21.5	-21.4	-21.2	-21.3	-21.2	-20.7	-20.1
74N	-26.1	-25.9	-25.2	-24.4	-23.6	-22.6	-21.2	-20.1	-19.3	-18.8	-18.3	-18.1	-18.1	-18.0	-18.1	-17.8	-17.0	-16.5
70N	-26.9	-26.2	-25.2	-24.6	-23.9	-22.9	-20.9	-19.0	-17.7	-16.9	-16.2	-15.6	-15.4	-15.3	-15.2	-14.2	-13.0	-12.5
66N	-26.0	-25.9	-25.2	-24.7	-24.0	-23.0	-20.4	-18.4	-16.8	-15.3	-14.6	-13.0	-12.0	-11.2	-10.9	-10.4	-10.0	-9.8
62N	-24.6	-24.5	-24.3	-24.2	-23.4	-21.8	-19.3	-17.3	-15.5	-14.0	-12.5	-10.8	-9.4	-8.5	-8.1	-7.4	-7.8	-7.8
58N	-22.7	-22.6	-22.7	-23.2	-22.3	-20.5	-18.4	-16.2	-13.9	-12.2	-10.2	-8.6	-7.1	-6.2	-5.8	-5.7	-5.3	-6.2
54N	-20.0	-20.1	-20.5	-21.1	-20.3	-18.9	-17.0	-14.8	-12.2	-9.9	-7.8	-6.1	-4.6	-3.8	-3.6	-3.7	-4.0	-4.7
50N	-15.7	-16.3	-17.4	-17.4	-16.2	-15.1	-13.7	-12.9	-10.5	-7.8	-5.5	-3.4	-2.3	-1.8	-1.7	-1.9	-2.5	-3.2
46N	-11.0	-12.2	-13.4	-13.7	-11.7	-9.9	-8.7	-7.8	-6.4	-4.2	-2.2	-0.9	-0.3	-0.2	-0.2	-0.4	-0.8	-1.7
42N	-7.0	-8.1	-8.6	-8.1	-6.4	-4.8	-3.7	-2.8	-1.7	-0.5	0.5	1.0	1.1	1.2	1.2	1.0	0.6	-0.5
38N	-2.7	-3.5	-3.4	-2.3	-1.1	0.1	0.9	1.6	2.3	2.8	2.9	2.7	2.7	2.6	2.6	2.4	2.0	0.9
34N	1.7	1.4	1.8	2.6	3.5	4.1	4.7	4.9	5.2	5.4	5.2	5.0	4.5	4.2	4.1	4.0	3.4	2.8
30N	5.1	6.0	5.9	5.9	6.1	6.5	6.7	7.0	7.4	7.6	7.3	7.2	5.9	5.6	5.4	4.5	5.2	5.1
26N	8.1	8.5	9.7	8.7	8.6	8.5	8.6	9.0	9.3	9.5	9.2	8.8	8.2	7.6	7.3	7.4	7.8	8.4
22N	10.3	10.6	11.5	10.9	10.8	10.3	10.3	10.7	11.1	11.2	11.1	10.8	10.4	10.1	9.9	10.0	10.8	11.3
18N	12.1	12.2	12.5	12.6	12.3	11.8	11.8	12.0	12.5	12.7	12.7	12.7	12.6	12.7	12.7	12.9	13.3	13.6
14N	13.7	13.3	13.4	13.5	13.1	12.9	12.7	12.9	13.4	13.7	13.9	14.2	14.4	14.6	14.8	14.9	14.8	15.0
10N	14.8	14.2	14.4	13.8	13.2	13.4	12.8	13.4	13.9	14.1	14.8	14.9	15.0	15.0	15.0	15.0	15.1	15.2
6N	15.4	14.7	14.5	13.9	13.2	13.1	12.6	13.5	14.0	14.4	14.7	15.0	15.0	15.1	15.0	15.0	15.0	15.0
2N	15.4	14.8	14.0	13.8	13.2	13.1	13.2	13.6	13.9	14.3	14.6	14.8	14.9	14.9	14.9	14.9	14.9	14.7
2S	15.1	14.6	14.0	14.2	14.4	14.4	14.3	14.3	14.3	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.6	14.5
6S	14.7	14.4	14.3	14.9	15.4	15.6	15.6	15.4	15.2	14.9	14.5	13.8	13.9	13.9	14.0	14.1	14.3	14.4
10S	14.4	14.2	14.3	15.3	16.2	16.9	16.9	16.5	16.1	15.6	14.8	13.6	13.5	13.5	13.5	13.7	13.9	14.2
14S	13.1	13.9	13.9	14.3	15.1	17.3	17.6	17.1	16.6	15.6	14.6	13.5	13.2	13.1	13.1	13.2	13.4	13.7
18S	13.5	13.3	13.2	13.5	15.0	17.2	17.6	17.2	16.7	15.4	14.4	13.4	13.0	12.8	12.7	12.7	12.8	13.1
22S	12.5	12.4	12.3	12.8	14.2	16.4	17.1	16.8	16.1	15.1	14.1	13.2	12.7	12.4	12.2	12.1	12.1	12.3
26S	11.2	11.1	11.2	12.0	13.9	15.2	16.2	15.8	14.9	14.4	13.4	12.7	12.2	11.7	11.5	11.3	11.2	11.2
30S	9.7	9.6	9.8	11.1	13.7	14.3	14.3	13.7	13.3	12.8	12.2	11.8	11.2	10.7	10.3	10.1	10.0	9.9
34S	8.1	8.0	8.0	9.2	12.5	12.7	11.9	11.3	10.9	10.5	10.1	9.8	9.4	9.1	8.7	8.5	8.4	8.4
38S	6.5	6.3	6.1	6.7	10.1	10.3	9.5	8.7	8.3	7.9	7.6	7.3	7.1	6.9	6.7	6.6	6.4	6.4
42S	4.8	4.6	4.3	4.4	7.4	7.5	6.8	6.0	5.4	4.9	4.7	4.4	4.3	4.2	4.1	4.0	3.8	3.8
46S	3.0	2.9	2.8	2.9	4.8	4.6	3.9	3.0	2.3	1.7	1.6	1.3	1.1	1.0	0.9	0.7	0.4	0.4
50S	1.0	1.2	1.1	2.0	2.3	1.7	0.7	-0.4	-1.0	-1.4	-1.7	-2.1	-2.4	-2.6	-2.9	-3.1	-3.3	-3.3
54S	-0.0	-0.9	-0.9	-0.7	-0.7	-1.3	-2.1	-2.7	-3.3	-3.8	-4.1	-4.4	-4.7	-4.9	-5.0	-5.1	-5.3	-5.5
58S	-3.2	-3.2	-3.1	-3.2	-3.2	-3.7	-4.3	-4.8	-5.2	-5.7	-5.9	-6.1	-6.4	-6.5	-6.7	-6.8	-6.9	-7.0
62S	-5.5	-5.6	-5.5	-5.7	-5.8	-6.2	-6.6	-6.9	-7.1	-7.4	-7.4	-7.6	-7.8	-7.9	-8.0	-8.1	-8.3	-8.3
66S	-7.8	-7.9	-8.0	-8.2	-8.4	-8.8	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.2	-9.3	-9.4	-9.6	-9.7
70S	-10.3	-10.4	-10.6	-10.8	-11.0	-11.2	-11.1	-11.0	-10.7	-10.5	-10.5	-10.4	-10.4	-10.5	-10.5	-10.7	-11.0	-11.2
74S	-14.0	-14.6	-14.9	-15.0	-14.7	-13.9	-13.2	-12.6	-12.2	-12.0	-11.9	-11.8	-11.8	-11.9	-12.1	-12.5	-12.6	-13.2
78S	-15.9	-16.2	-16.3	-16.3	-16.0	-15.3	-14.6	-14.0	-13.7	-13.6	-13.4	-13.4	-13.4	-13.6	-13.9	-14.2	-14.5	-14.7
82S	-16.7	-16.7	-16.8	-16.8	-16.6	-16.3	-15.9	-15.6	-15.4	-15.4	-15.3	-15.4	-15.5	-15.6	-15.9	-16.0	-16.0	-16.2
86S	-17.3	-17.3	-17.4	-17.4	-17.4	-17.3	-17.3	-17.3	-17.3	-17.3	-17.3	-17.3	-17.4	-17.4	-17.4	-17.5	-17.5	-17.5
90S	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3

TABLE 5-12 JAN 800NB TEMPERATURE (DEG C)

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9
86N	-24.7	-25.2	-25.7	-25.2	-24.7	-24.7	-24.7	-24.9	-25.0	-25.3	-25.6	-25.7	-25.7	-25.7	-25.7	-25.6	-25.5	-25.6
82N	-22.7	-22.9	-22.9	-22.6	-22.5	-22.2	-22.8	-23.1	-23.5	-24.2	-25.1	-25.5	-25.6	-25.6	-25.5	-25.2	-25.0	-24.7
78N	-19.6	-19.4	-19.2	-19.1	-19.2	-19.0	-19.7	-20.1	-20.8	-21.6	-22.7	-23.2	-23.5	-23.8	-24.0	-23.8	-24.1	-23.6
74N	-15.9	-15.5	-15.5	-15.5	-15.6	-15.0	-16.2	-16.7	-17.8	-18.1	-18.9	-19.4	-20.0	-20.8	-21.5	-22.1	-22.8	-23.6
70N	-12.4	-12.3	-12.5	-12.7	-12.9	-13.7	-14.4	-14.9	-15.6	-16.3	-16.7	-17.4	-18.1	-18.7	-19.9	-21.0	-21.9	-22.6
66N	-9.8	-10.1	-10.4	-11.3	-11.8	-12.5	-13.4	-14.2	-14.8	-15.3	-15.8	-16.4	-17.2	-18.1	-18.9	-19.7	-20.3	-21.0
62N	-8.0	-8.5	-9.1	-10.1	-10.7	-11.5	-12.3	-13.0	-13.7	-14.3	-14.8	-15.4	-16.0	-16.6	-17.1	-17.8	-18.3	-19.2
58N	-6.5	-7.2	-7.9	-8.8	-9.8	-10.5	-11.0	-11.9	-12.7	-13.4	-13.9	-14.1	-14.2	-14.2	-14.6	-15.4	-16.3	-17.2
54N	-5.2	-5.9	-6.7	-7.7	-8.9	-9.3	-11.0	-11.5	-12.3	-13.0	-12.8	-12.3	-11.6	-11.4	-11.6	-12.8	-14.3	-15.3
50N	-3.7	-4.8	-5.8	-6.7	-7.8	-8.1	-8.7	-9.4	-9.0	-10.1	-10.1	-9.3	-9.0	-9.4	-10.0	-10.6	-11.9	-13.9
46N	-2.5	-3.6	-3.6	-4.5	-5.9	-7.1	-7.1	-7.1	-5.9	-8.8	-7.0	-6.5	-7.4	-7.6	-7.0	-7.2	-8.7	-11.7
42N	-1.1	-1.6	-1.9	-2.6	-4.1	-5.1	-4.5	-5.1	-4.6	-6.1	-4.3	-4.0	-5.4	-5.1	-4.1	-5.3	-7.0	-9.2
38N	0.4	0.1	-0.5	-1.0	-0.8	-2.1	-1.5	-2.4	-2.9	-2.9	-1.3	-0.9	-1.8	-1.6	-0.9	-2.7	-6.4	-8.2
34N	2.1	1.5	1.0	1.0	0.8	1.1	1.3	0.9	0.2	0.6	2.2	2.7	2.9	2.6	2.8	1.4	-4.4	-6.8
30N	4.5	3.6	3.4	4.4	3.1	3.2	3.5	3.5	4.4	4.8	5.5	5.7	6.3	6.3	6.8	7.1	3.4	0.6
26N	8.1	7.4	7.2	6.5	6.2	6.2	6.0	5.9	6.9	8.0	8.7	9.1	9.4	9.2	9.2	9.0	8.3	7.4
22N	11.5	11.2	10.9	10.2	10.0	9.7	9.4	9.6	8.9	9.9	10.8	11.5	11.9	11.9	11.8	12.1	11.7	10.8
18N	13.8	14.0	14.0	13.7	13.5	13.3	13.1	13.2	11.3	11.5	12.5	13.3	13.7	13.9	13.9	14.4	13.5	12.7
14N	15.0	15.6	15.8	16.0	16.0	16.0	16.1	15.8	13.7	13.1	13.9	14.5	14.9	15.2	15.3	15.4	14.2	13.8
10N	15.3	16.1	16.1	16.7	16.7	16.8	16.9	16.7	15.4	14.5	14.9	15.3	15.6	15.8	15.8	15.6	14.7	14.0
6N	15.0	15.3	15.3	16.2	16.7	16.8	16.8	16.4	15.5	15.1	15.5	15.6	15.8	15.6	15.5	15.1	14.5	14.1
2N	14.6	14.7	14.8	15.6	16.6	16.7	16.5	15.7	15.3	15.0	15.2	15.2	15.3	15.1	15.0	14.6	14.3	14.1
2S	14.5	14.6	14.8	15.3	16.4	16.5	16.3	15.4	15.1	15.0	15.1	15.1	15.1	15.0	14.8	14.4	14.2	14.0
6S	14.5	14.8	15.0	15.5	16.1	16.3	16.1	15.6	15.1	15.2	15.3	15.4	15.3	15.3	15.1	14.6	14.3	14.0
10S	14.5	14.9	15.2	15.7	16.2	16.0	15.8	15.7	15.4	15.6	15.5	15.4	15.4	15.3	15.0	14.5	14.1	13.9
14S	14.2	14.8	15.4	16.3	16.5	15.9	15.1	15.2	15.5	15.1	14.7	14.8	14.8	14.7	14.5	14.1	13.8	13.7
18S	13.6	14.4	15.4	17.0	17.5	16.1	15.0	14.8	15.0	14.5	14.0	14.2	14.2	14.1	13.8	13.6	13.4	13.3
22S	12.7	13.6	14.8	17.2	18.4	16.7	15.0	14.2	14.2	13.8	13.4	13.6	13.5	13.3	13.1	13.0	12.9	12.9
26S	11.5	12.4	13.7	16.5	18.6	17.1	14.9	13.5	13.4	13.0	12.9	12.8	12.6	12.4	12.3	12.1	12.1	12.2
30S	10.0	10.7	11.8	14.0	16.7	16.3	14.2	12.9	12.6	12.3	12.1	11.8	11.5	11.2	11.1	11.0	10.9	11.1
34S	8.5	8.9	9.8	11.2	12.9	13.2	12.2	11.4	11.0	10.5	10.1	9.7	9.5	9.3	9.2	9.1	9.1	9.1
38S	6.4	6.8	7.2	8.0	8.9	9.3	8.9	8.4	8.1	7.7	7.4	7.2	7.2	7.0	6.9	6.9	6.9	6.9
42S	3.6	3.9	4.0	4.3	4.6	4.7	4.6	4.4	4.2	4.1	4.0	3.9	3.9	3.9	4.0	4.0	4.0	4.2
46S	0.2	0.3	0.2	0.1	0.1	0.1	0.0	-0.0	-0.0	-0.0	-0.1	-0.1	-0.0	-0.0	0.2	0.4	0.6	0.8
50S	-3.5	-3.6	-3.7	-3.9	-4.0	-4.0	-4.1	-4.1	-4.2	-4.2	-4.2	-4.1	-4.1	-4.0	-3.8	-3.6	-3.2	-2.9
54S	-5.6	-5.7	-5.7	-5.8	-5.9	-5.9	-6.0	-6.1	-6.0	-6.1	-6.2	-6.0	-6.0	-5.9	-5.9	-5.7	-5.5	-5.3
58S	-7.1	-7.2	-7.3	-7.3	-7.4	-7.4	-7.4	-7.5	-7.5	-7.5	-7.5	-7.5	-7.5	-7.5	-7.5	-7.4	-7.3	-7.2
62S	-8.4	-8.5	-8.6	-8.6	-8.7	-8.8	-8.7	-8.8	-8.9	-9.0	-9.1	-9.2	-9.2	-9.1	-9.1	-9.1	-9.0	-8.9
66S	-9.8	-9.9	-10.0	-10.0	-10.1	-10.2	-10.2	-10.4	-10.6	-10.7	-11.0	-11.1	-11.1	-11.0	-10.9	-10.9	-10.8	-10.8
70S	-11.6	-11.7	-11.8	-11.8	-11.9	-11.9	-12.1	-12.3	-12.6	-12.8	-13.1	-13.3	-13.3	-13.2	-13.1	-13.1	-13.1	-13.2
74S	-13.3	-13.5	-13.6	-13.7	-13.7	-13.9	-14.2	-14.5	-14.6	-14.6	-14.8	-14.9	-15.0	-15.0	-14.9	-14.9	-14.9	-15.0
78S	-14.9	-15.1	-15.2	-15.3	-15.3	-15.4	-15.5	-15.7	-15.8	-16.0	-16.1	-16.2	-16.3	-16.2	-16.3	-16.3	-16.3	-16.4
82S	-16.2	-16.4	-16.5	-16.5	-16.6	-16.7	-16.8	-16.9	-17.0	-17.0	-17.1	-17.2	-17.2	-17.2	-17.3	-17.3	-17.3	-17.3
86S	-17.4	-17.5	-17.5	-17.5	-17.6	-17.6	-17.7	-17.6	-17.7	-17.7	-17.8	-17.8	-17.8	-17.8	-17.9	-17.9	-17.9	-17.9
90S	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3

90N	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9
86N	-25.7	-25.7	-25.8	-25.9	-25.9	-25.9	-25.9	-25.9	-25.8	-25.7	-25.7	-25.7	-25.7	-25.6	-25.6	-25.6	-25.6	-25.6	-25.6	-25.6	-25.6	-25.6	-25.6	-25.6
82N	-25.4	-25.6	-25.8	-25.8	-25.7	-25.7	-25.7	-25.7	-25.6	-25.5	-25.5	-25.4	-25.2	-25.2	-25.2	-25.2	-25.2	-25.2	-25.2	-25.2	-25.2	-25.2	-25.2	-25.2
78N	-25.0	-25.5	-25.8	-26.0	-25.6	-25.6	-25.5	-25.5	-25.3	-25.1	-24.8	-24.5	-24.3	-24.3	-24.3	-24.3	-24.3	-24.3	-24.3	-24.3	-24.3	-24.3	-24.3	-24.3
74N	-24.4	-25.0	-25.7	-26.1	-25.4	-25.4	-25.4	-25.4	-25.0	-24.7	-24.0	-23.4	-23.1	-23.0	-22.8	-22.8	-22.8	-22.8	-22.8	-22.8	-22.8	-22.8	-22.8	-22.8
70N	-23.3	-23.8	-24.8	-25.3	-25.5	-25.6	-25.4	-25.3	-25.1	-24.6	-24.1	-23.4	-22.7	-21.8	-20.8	-20.3	-20.5	-21.2	-21.8	-22.4	-23.0	-23.6	-24.2	-24.8
66N	-21.7	-22.9	-23.9	-24.5	-25.2	-25.5	-25.6	-25.7	-26.0	-26.0	-26.1	-25.9	-25.6	-25.0	-20.5	-20.3	-20.5	-21.4	-22.0	-22.6	-23.2	-23.8	-24.4	
62N	-20.3	-21.9	-23.0	-23.7	-24.3	-24.5	-24.5	-24.5	-24.5	-24.5	-24.9	-24.6	-24.3	-23.1	-19.4	-19.4	-19.4	-20.2	-20.8	-21.4	-22.0	-22.6	-23.2	
58N	-18.7	-20.2	-21.3	-22.0	-22.9	-24.2	-25.4	-25.7	-26.0	-26.0	-26.0	-25.7	-25.4	-22.0	-17.7	-17.7	-17.7	-18.5	-19.1	-19.7	-20.3	-20.9	-21.5	
54N	-17.1	-18.6	-19.9	-20.3	-21.5	-23.3	-25.0	-25.5	-26.0	-26.5	-26.5	-22.2	-22.2	-19.7	-15.8	-15.8	-15.8	-16.6	-17.2	-17.8	-18.4	-19.0	-19.6	
50N	-16.6	-18.7	-22.2	-20.9	-21.3	-22.6	-23.5	-24.0	-24.5	-24.6	-23.8	-22.8	-19.6	-16.8	-14.3	-12.5	-11.1	-10.6	-11.2	-11.8	-12.4	-13.0	-13.6	
46N	-13.8	-15.3	-16.4	-16.8	-17.9	-20.0	-20.7	-21.5	-22.0	-20.7	-19.4	-17.9	-16.7	-14.9	-12.0	-10.9	-9.2	-8.3	-7.8	-7.2	-6.6	-6.0	-5.4	
42N	-10.2	-11.1	-12.8	-13.1	-14.5	-15.6	-15.9	-17.2	-18.1	-16.4	-14.9	-13.3	-12.2	-11.1	-9.6	-7.8	-6.7	-6.1	-5.5	-4.9	-4.3	-3.7	-3.1	
38N	-8.7	-8.7	-9.8	-9.2	-10.5	-10.0	-11.0	-12.6	-13.0	-11.2	-9.5	-8.0	-6.8	-5.9	-4.8	-3.5	-2.1	-1.4	-0.8	-0.2	0.4	1.0	1.6	
34N	-7.7	-7.2	-5.3	-5.0	-6.1	-6.8	-7.9	-7.1	-5.1	-3.5	-2.3	-1.3	-0.3	0.4	1.3	2.2	3.1	4.0	4.9	5.8	6.7	7.6	8.5	
30N	-0.7	-1.6	-0.7	-1.4	-2.9	-2.6	-2.5	-2.5	-0.9	0.5	1.4	2.5	3.3	3.0	4.5	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	
26N	5.9	6.1	5.1	2.5	1.5	1.9	2.6	2.7	3.7	4.5	5.4	6.1	6.6	7.0	7.9	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.4	
22N	9.9	9.7	9.0	7.1	6.7	7.2	7.5	7.2	7.5	8.0	8.9	9.0	9.5	9.9	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	
18N	12.4	11.5	11.4	10.6	10.6	11.2	11.1	10.5	10.5	10.8	12.0	11.7	12.1	12.3	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	
14N	13.8	12.7	12.8	12.6	12.7	13.2	13.1	12.7	12.7	13.0	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	
10N	14.0	13.8	13.8	13.0	13.9	14.0	14.0	14.1	14.1	14.6	14.8	15.0	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	
6N	13.9	13.8	13.5	14.0	14.4	14.2	14.4	14.8	15.1	15.3	15.4	15.5	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	
2N	13.9	13.9	13.7	14.1	14.3	14.2	14.6	15.1	15.3	15.5	15.6	15.7	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	
25	13.9	14.0	14.1	14.3	14.5	14.6	14.8	15.1	15.3	15.3	15.4	15.6	15.8	15.8	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	
6S	14.0	14.2	14.3	14.5	14.7	14.9	15.0	15.3	15.4	15.2	15.2	15.3	15.6	15.7	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	
10S	13.9	14.0	14.1	14.4	14.8	15.2	15.4	15.5	15.6	15.6	15.3	15.3	15.4	15.5	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	
14S	13.7	13.8	14.0	14.4	15.1	15.7	16.2	16.8	17.0	16.5	15.8	15.2	15.0	15.0	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	
18S	13.4	13.5	13.7	14.4	15.5	16.9	17.8	18.5	18.3	17.6	16.5	15.4	14.6	14.6	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	
22S	13.0	13.1	13.4	14.1	15.7	17.9	18.7	18.9	18.4	17.7	16.7	15.5	14.1	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	
66S	12.3	12.4	12.9	13.6	15.4	17.7	18.0	17.6	17.1	16.6	16.1	15.1	13.5	12.3	11.7	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	
30S	11.2	11.4	11.8	12.6	13.7	15.1	15.5	15.1	14.7	14.8	14.5	13.6	12.4	11.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	
34S	9.4	9.6	10.0	10.4	11.2	12.0	12.2	12.0	11.9	11.8	11.3	11.4	10.4	9.5	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	
38S	7.1	7.3	7.6	7.8	8.2	8.6	8.8	8.7	8.7	8.7	8.7	8.6	8.1	7.6	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	
42S	4.2	4.5	4.6	4.8	5.0	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
46S	0.9	1.2	1.4	1.7	1.8	2.1	2.2	2.3	2.5	2.6	2.7	2.9	3.0	3.1	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	
50S	-2.6	-2.2	-1.9	-1.7	-1.4	-1.2	-0.9	-0.8	-0.5	-0.4	-0.3	0.0	0.2	0.4	0.7	1.0	1.2	1.4	1.4	1.4	1.4	1.4	1.4	
54S	-5.1	-4.8	-4.6	-4.3	-4.2	-4.0	-3.8	-3.7	-3.5	-3.3	-3.1	-2.9	-2.6	-2.4	-2.1	-1.9	-1.6	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	
58S	-7.0	-6.9	-6.7	-6.5	-6.4	-6.3	-6.1	-6.0	-5.9	-5.8	-5.5	-5.4	-5.1	-4.9	-4.7	-4.4	-4.1	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	
62S	-8.8	-8.7	-8.5	-8.5	-8.4	-8.4	-8.3	-8.3	-8.2	-8.1	-7.9	-7.7	-7.5	-7.3	-7.1	-6.8	-6.5	-6.4	-6.4	-6.4	-6.4	-6.4	-6.4	
66S	-10.8	-10.7	-10.6	-10.7	-10.8	-10.7	-10.8	-10.8	-10.7	-10.7	-10.6	-10.3	-10.1	-9.9	-9.7	-9.5	-9.2	-8.9	-8.7	-8.7	-8.7	-8.7	-8.7	
70S	-13.4	-13.5	-13.6	-13.7	-13.9	-14.0	-14.2	-14.1	-14.1	-14.1	-13.8	-13.6	-13.3	-12.9	-12.7	-12.1	-11.3	-10.8	-10.8	-10.8	-10.8	-10.8	-10.8	
74S	-15.1	-15.2	-15.3	-15.4	-15.6	-15.8	-15.9	-15.9	-15.9	-15.8	-15.6	-15.5	-15.2	-14.8	-14.5	-13.0	-13.3	-12.7	-12.7	-12.7	-12.7	-12.7	-12.7	
78S	-16.4	-16.5	-16.6	-16.7	-16.8	-16.8	-16.8	-16.8	-16.8	-16.7	-16.6	-16.3	-15.9	-15.6	-15.3	-14.8	-14.3	-13.9	-13.9	-13.9	-13.9	-13.9	-13.9	
82S	-17.3	-17.4	-17.4	-17.4	-17.4	-17.3	-17.2	-17.1	-17.1	-17.0	-16.9	-16.6	-16.4	-16.0	-15.8	-15.3	-14.8	-13.9	-13.9	-13.9	-13.9	-13.9	-13.9	
86S	-17.9	-17.9	-17.9	-17.9	-17.9	-17.6	-17.4	-17.3	-17.3	-17.3	-17.2	-17.1	-17.0	-16.8	-16.7	-16.5	-16.3	-15.9	-15.9	-15.9	-15.9	-15.9	-15.9	
90S	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	-18.3	

TABLE 5-13 JAN 800MB GEOPOTENTIAL HEIGHT (1100M)

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
86N	17.3	17.3	17.2	17.2	17.2	17.3	17.3	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.3	17.3	17.2	17.2
82N	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.3	17.3	17.4	17.4	17.4	17.4	17.3
78N	17.2	17.1	17.1	17.1	17.1	17.1	17.2	17.3	17.3	17.4	17.5	17.5	17.5	17.6	17.6	17.6	17.5	17.5
74N	17.1	17.1	17.0	17.0	17.1	17.1	17.2	17.3	17.4	17.6	17.7	17.7	17.7	17.8	17.8	17.7	17.7	17.6
70N	17.1	17.1	17.1	17.1	17.1	17.2	17.2	17.3	17.5	17.6	17.7	17.8	17.8	17.8	17.8	17.8	17.7	17.8
66N	17.2	17.2	17.2	17.2	17.2	17.2	17.3	17.3	17.4	17.4	17.5	17.5	17.6	17.7	17.8	17.8	17.9	18.0
62N	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.4	17.4	17.5	17.5	17.6	17.7	17.8	17.9	18.1	18.3
58N	17.6	17.5	17.5	17.4	17.4	17.4	17.4	17.5	17.5	17.6	17.6	17.7	17.7	18.1	18.2	18.4	18.5	18.7
54N	17.8	17.8	17.7	17.7	17.7	17.6	17.7	17.7	17.8	17.9	18.0	18.2	18.2	18.5	18.7	18.9	19.0	19.1
50W	18.2	18.1	18.1	18.0	18.0	17.9	18.0	18.0	18.1	18.3	18.4	18.6	18.6	18.8	19.1	19.2	19.3	19.4
46W	18.6	18.5	18.4	18.4	18.4	18.4	18.4	18.4	18.6	18.7	18.9	19.1	19.1	19.3	19.4	19.5	19.6	19.6
42W	19.0	18.9	18.9	18.9	18.9	18.9	18.9	19.1	19.1	19.2	19.4	19.5	19.5	19.7	19.8	19.8	19.8	19.8
38W	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.0	20.0	20.1	20.0	20.0
34W	19.8	19.9	19.9	19.9	19.9	19.9	19.9	19.9	20.0	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.1
30W	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.4	20.3	20.3	20.3	20.3	20.3	20.3	20.2	20.2
26W	20.4	20.4	20.5	20.5	20.5	20.4	20.4	20.5	20.5	20.4	20.4	20.4	20.3	20.3	20.3	20.3	20.3	20.3
22W	20.5	20.5	20.5	20.6	20.6	20.5	20.5	20.5	20.5	20.5	20.5	20.4	20.4	20.4	20.3	20.3	20.3	20.3
18W	20.4	20.5	20.5	20.5	20.5	20.6	20.5	20.5	20.5	20.5	20.5	20.4	20.4	20.4	20.4	20.3	20.3	20.3
14W	20.3	20.4	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.4	20.4	20.4	20.3	20.3	20.3	20.3	20.3	20.3
10W	20.2	20.2	20.2	20.2	20.3	20.4	20.4	20.4	20.4	20.3	20.3	20.3	20.3	20.2	20.2	20.2	20.2	20.2
6W	20.1	20.1	20.1	20.2	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.2	20.2	20.2	20.2	20.2	20.2	20.2
2W	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.1	20.1	20.1	20.1	20.1	20.1
25	20.2	20.2	20.2	20.2	20.2	20.2	20.1	20.1	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
65	20.3	20.2	20.2	20.2	20.1	20.1	20.1	20.0	20.1	20.2	20.3	20.2	20.2	20.3	20.3	20.2	20.2	20.2
105	20.3	20.2	20.2	20.1	20.1	20.1	20.1	20.1	20.2	20.3	20.3	20.3	20.4	20.4	20.4	20.3	20.3	20.3
145	20.4	20.3	20.3	20.2	20.1	20.0	20.1	20.1	20.2	20.3	20.4	20.5	20.5	20.5	20.5	20.5	20.4	20.4
185	20.5	20.4	20.3	20.2	20.2	20.0	20.1	20.1	20.3	20.4	20.5	20.6	20.6	20.6	20.6	20.5	20.5	20.5
225	20.5	20.4	20.3	20.2	20.2	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.6	20.6	20.6	20.5	20.5	20.5
265	20.5	20.5	20.4	20.3	20.2	20.0	20.2	20.3	20.2	20.3	20.4	20.5	20.5	20.6	20.6	20.5	20.5	20.5
305	20.4	20.4	20.4	20.3	20.1	20.0	20.1	20.2	20.2	20.2	20.2	20.4	20.4	20.5	20.5	20.4	20.4	20.4
345	20.4	20.4	20.3	20.2	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.1	20.2	20.2	20.3	20.3	20.3	20.3
385	20.3	20.3	20.2	20.1	19.8	19.8	19.8	19.7	19.7	19.7	19.7	19.8	19.8	19.9	19.9	19.9	20.0	20.0
425	20.0	20.0	20.0	19.8	19.6	19.5	19.4	19.2	19.2	19.2	19.2	19.2	19.3	19.4	19.4	19.4	19.4	19.4
465	19.5	19.5	19.6	19.4	19.2	19.1	18.9	18.7	18.6	18.6	18.6	18.6	18.6	18.7	18.7	18.7	18.7	18.7
505	19.0	19.0	18.9	18.8	18.7	18.6	18.4	18.3	18.1	17.9	17.9	17.9	17.9	18.0	18.0	18.0	18.0	18.0
545	18.2	18.2	18.2	18.2	18.1	18.0	17.9	17.7	17.6	17.5	17.4	17.3	17.3	17.3	17.3	17.3	17.4	17.4
585	17.5	17.5	17.5	17.5	17.5	17.4	17.4	17.3	17.2	17.1	17.1	16.9	16.9	16.9	16.9	16.9	16.9	16.9
625	17.0	17.0	17.0	17.0	17.0	16.7	16.9	17.0	17.0	16.9	16.8	16.7	16.7	16.7	16.5	16.5	16.5	16.5
665	16.6	16.6	16.6	16.6	16.6	16.7	16.9	16.9	16.9	16.8	16.6	16.5	16.5	16.4	16.4	16.4	16.4	16.4
705	16.5	16.4	16.5	16.6	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.5	16.5	16.5	16.5	16.5	16.5	16.5
745	16.6	16.5	16.5	16.5	16.5	16.5	16.6	16.6	16.6	16.6	16.6	16.5	16.5	16.5	16.5	16.6	16.6	16.7
785	16.7	16.7	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.7	16.7	16.7	16.7	16.7	16.7	16.8
825	16.9	16.9	16.8	16.8	16.8	16.7	16.7	16.7	16.7	16.7	16.7	16.8	16.8	16.8	16.8	16.9	16.9	16.9
865	17.0	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.9	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0
905	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0

TABLE 5-13 JAN 80MB GEOPOTENTIAL HEIGHT (ICOM)

[illegible]

[illegible]

TABLE 5-14 JAN 80CM3 RELATIVE HUMIDITY (%)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
86N	61.0	61.0	59.4	59.4	58.2	57.8	56.9	56.5	56.3	55.9	55.5	55.3	55.4	55.0	54.6	54.6	54.7	54.6
82N	62.7	61.5	60.7	58.7	57.2	56.3	55.4	54.6	54.4	54.0	53.7	53.7	53.9	53.5	53.4	53.4	53.6	53.6
78N	63.2	60.9	58.9	56.8	55.1	54.1	53.5	52.7	52.4	52.1	52.1	53.0	53.8	53.0	52.8	52.8	53.1	53.2
74N	64.5	62.2	59.3	56.0	52.9	51.7	51.6	51.6	51.5	51.2	51.4	52.6	54.7	53.6	53.0	52.6	53.4	53.4
70N	72.9	72.6	70.4	61.3	54.0	50.4	51.3	54.3	56.1	55.2	55.2	52.7	57.0	61.2	65.8	68.4	69.2	70.0
66N	72.1	70.4	64.2	57.0	53.8	49.8	50.9	54.3	54.8	56.1	55.5	54.3	54.5	57.2	59.5	61.8	63.5	66.3
62N	67.6	65.3	61.4	57.3	54.9	53.6	53.3	53.8	54.3	58.3	57.2	56.4	58.4	60.1	60.1	59.1	61.0	62.6
58N	65.9	64.2	61.7	59.1	56.9	56.7	55.5	53.9	54.3	58.9	59.8	59.5	61.1	61.6	61.8	60.8	61.1	60.7
54N	67.7	67.1	64.0	61.0	59.0	57.6	57.2	55.7	54.4	56.8	61.5	63.4	61.4	60.1	60.5	61.0	61.7	60.3
50N	63.1	67.7	66.3	62.8	59.8	59.0	60.8	60.3	54.8	53.0	58.9	67.0	65.3	55.0	54.4	58.1	59.9	59.0
46N	70.5	71.4	67.2	63.4	60.6	60.1	59.8	58.8	54.7	49.2	51.7	61.3	66.2	59.5	57.5	53.0	53.3	53.1
42N	70.8	71.0	67.5	65.5	62.1	60.6	59.0	57.0	53.3	47.7	45.5	49.6	55.0	54.6	57.7	50.3	49.1	50.2
38N	66.9	67.1	66.0	65.9	63.3	61.5	59.1	56.2	51.9	46.5	41.3	39.5	43.8	45.2	49.2	44.7	43.9	47.8
34N	60.8	61.8	62.9	63.0	63.4	62.3	59.8	56.5	51.7	45.7	39.4	33.9	34.7	36.3	38.0	39.0	40.1	46.1
30N	56.5	57.6	59.5	61.2	61.7	61.5	60.0	57.2	54.0	47.1	39.6	33.6	30.2	31.1	37.1	37.1	42.2	47.3
26N	53.7	55.0	56.8	58.6	59.8	60.5	58.9	56.1	52.8	47.9	41.5	35.7	32.0	32.3	35.0	40.1	46.8	51.4
22N	52.4	53.4	55.0	57.2	59.0	60.2	57.8	53.9	49.3	43.1	38.5	35.5	36.4	35.7	38.0	43.1	44.8	55.4
18N	52.1	53.1	54.6	57.6	60.3	62.2	63.0	60.8	55.6	52.6	46.7	41.7	42.3	41.9	43.1	44.2	49.9	57.8
14N	52.8	54.2	56.0	60.2	62.9	65.3	64.4	63.4	59.8	57.5	52.7	46.9	50.3	50.2	50.5	50.7	54.0	59.0
10N	54.9	55.9	59.9	64.4	64.8	65.6	64.5	64.0	62.4	61.6	58.8	58.0	57.1	57.5	58.3	59.1	59.5	61.5
6N	59.6	60.4	62.2	60.5	67.4	62.5	60.8	60.8	60.3	60.5	59.0	58.0	57.4	58.0	58.8	60.0	61.7	61.7
2N	61.2	59.2	59.7	58.3	58.1	56.9	55.1	53.9	53.6	54.0	53.2	52.8	52.4	52.6	55.0	56.4	58.1	59.4
2S	63.1	59.6	58.7	58.1	56.7	55.1	53.5	51.4	50.9	50.6	49.5	49.1	48.4	48.0	50.0	51.1	52.7	55.0
6S	66.6	63.6	61.3	60.2	58.9	58.1	56.7	54.7	53.4	51.9	49.8	48.6	47.2	46.3	46.0	46.5	47.1	49.0
10S	70.0	68.1	66.5	64.4	63.1	62.1	60.8	58.6	56.9	54.2	52.0	49.7	47.8	46.0	44.8	44.4	44.4	46.0
14S	73.1	72.0	70.0	67.9	66.1	64.5	63.7	61.2	58.6	55.5	52.7	50.3	48.3	46.0	45.3	44.0	43.6	44.4
18S	71.0	70.5	69.7	68.2	66.7	65.9	64.4	61.7	58.7	55.6	53.1	50.8	48.1	47.7	46.5	45.1	44.3	43.8
22S	65.4	65.9	65.9	64.8	64.8	64.6	62.9	60.5	58.0	55.7	53.7	51.9	50.5	49.0	48.2	47.1	46.0	45.2
26S	59.1	60.1	60.4	61.0	60.9	60.8	59.7	58.3	57.0	55.7	54.4	53.2	52.3	50.8	50.3	49.6	48.5	48.0
30S	54.4	54.7	55.2	55.6	56.2	56.3	56.0	55.6	55.4	54.5	54.1	53.4	53.4	52.5	52.1	52.1	51.1	50.4
34S	52.9	52.8	53.1	53.8	54.0	54.2	54.4	54.5	54.0	54.0	53.9	53.8	53.8	53.6	53.2	53.4	53.0	53.1
38S	52.1	51.8	51.9	52.5	52.8	53.3	53.6	53.8	53.7	53.7	53.9	54.0	54.0	53.8	53.0	52.0	51.7	51.9
42S	52.3	52.1	52.3	52.8	53.1	53.6	53.8	54.1	54.2	54.4	54.6	54.8	55.2	54.0	53.5	52.5	51.7	51.9
46S	54.2	54.3	54.7	55.2	55.3	55.7	56.1	56.3	56.1	56.4	56.5	56.9	57.4	57.4	57.5	57.6	58.1	58.6
50S	59.5	59.2	59.3	59.6	59.8	59.8	59.9	60.0	59.9	60.1	60.1	60.5	60.3	60.8	60.8	60.6	61.0	61.4
54S	64.3	64.1	64.0	63.8	64.1	64.3	64.0	63.9	63.9	63.8	63.8	64.3	63.9	64.4	64.3	64.0	64.6	64.5
58S	67.4	67.2	67.4	67.6	67.6	67.5	67.4	67.3	67.2	67.1	67.0	67.2	67.1	67.3	67.2	66.9	67.6	67.5
62S	68.9	68.9	69.6	70.3	70.3	69.8	69.9	69.6	69.6	69.7	69.4	69.5	69.6	69.5	69.2	69.1	69.5	69.7
66S	68.7	69.2	70.2	71.1	71.5	71.0	71.3	71.2	71.2	71.4	71.0	71.2	71.2	71.1	70.9	70.9	70.8	71.4
70S	66.6	67.5	68.1	69.6	70.0	70.4	71.2	72.0	72.0	72.2	71.8	72.4	72.2	73.1	72.7	73.5	73.3	73.9
74S	61.9	62.4	63.4	65.4	66.1	67.0	69.0	70.0	71.3	71.8	72.7	73.4	74.8	77.0	77.4	80.0	81.1	84.1
78S	58.3	58.8	59.9	61.1	62.3	63.6	65.5	66.5	68.2	69.9	71.2	72.7	74.3	76.7	78.2	80.3	81.0	83.0
82S	57.9	58.2	59.0	59.3	60.5	61.5	62.5	64.7	65.5	66.5	67.9	69.3	70.8	72.3	73.7	74.9	75.2	76.9
86S	61.7	61.7	61.9	61.7	62.5	62.8	63.6	64.1	64.9	64.9	65.9	66.5	67.5	67.8	68.3	68.9	69.4	69.8
90S	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6

TABLE 5-14 JAN 800MB RELATIVE HUMIDITY (3)

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
86N	56.3	55.6	55.3	54.9	55.1	54.3	53.7	56.3	58.7	59.3	60.5	62.3	63.4	65.1	67.3	69.7	61.4	61.3
82N	55.3	54.4	54.8	53.8	52.7	51.5	50.1	51.2	53.1	54.9	55.7	59.4	61.2	62.6	65.6	66.1	65.5	64.7
78N	57.2	56.2	55.6	54.3	53.0	51.4	48.6	47.2	47.2	48.8	49.4	51.6	53.6	56.1	59.7	63.9	66.8	67.7
74N	61.7	59.9	56.6	55.9	56.0	54.6	50.5	47.6	45.8	45.8	44.4	45.1	46.6	50.3	54.3	60.6	65.0	69.1
70N	67.4	62.8	58.3	59.4	61.3	62.7	59.5	58.1	55.9	52.8	49.7	47.4	48.2	51.3	56.4	59.9	64.2	69.7
66N	66.6	64.7	61.1	59.8	61.4	61.8	55.5	53.4	53.5	53.6	55.9	57.3	57.1	55.5	58.8	60.9	64.7	69.5
62N	63.2	61.2	59.4	60.7	61.5	59.1	53.9	52.5	52.8	56.2	56.0	61.7	63.6	62.0	62.9	64.6	67.4	67.4
58N	60.1	58.7	57.4	61.3	61.9	60.0	59.3	58.8	58.2	61.2	59.5	63.1	65.1	64.0	64.7	65.9	65.6	60.7
54N	58.9	59.3	57.3	60.0	60.8	62.3	69.0	69.9	68.1	63.6	65.0	63.9	63.8	63.8	63.4	63.9	60.7	54.6
50N	59.4	61.3	59.1	54.8	55.0	56.5	64.0	73.8	71.7	72.0	68.7	66.0	65.5	64.3	63.0	61.5	60.7	59.1
46N	55.9	61.4	54.8	58.4	57.6	55.0	57.8	60.7	66.1	67.2	66.9	66.5	66.0	65.2	64.1	63.1	63.4	60.6
42N	54.5	55.7	54.9	58.2	58.7	57.1	56.7	57.0	60.7	64.4	68.0	69.6	68.3	68.3	66.7	63.7	59.8	60.1
38N	51.6	52.3	53.2	53.0	58.9	55.8	55.8	56.2	58.4	62.7	67.4	70.1	71.2	69.7	66.0	60.7	54.7	54.3
34N	47.9	51.1	49.7	48.3	58.6	57.0	54.7	55.8	58.4	61.2	64.4	66.5	68.4	68.8	63.0	54.8	49.8	44.6
30N	47.0	46.5	48.0	53.1	57.7	56.2	55.7	55.5	56.7	58.9	61.0	60.9	64.9	63.6	59.0	49.2	44.5	35.3
26N	52.5	52.5	47.1	52.8	56.0	56.1	55.7	55.2	55.0	55.1	56.5	57.3	57.4	54.2	51.4	40.7	39.4	22.6
22N	59.0	56.7	51.2	54.5	57.7	55.1	54.2	53.0	52.2	51.5	51.7	51.2	49.7	46.2	44.1	30.0	20.6	16.3
18N	62.4	59.5	55.7	57.0	59.6	55.5	54.3	52.4	50.3	48.7	47.1	44.9	42.5	37.8	31.5	23.2	16.5	13.7
14N	62.4	61.5	58.0	59.7	61.1	56.9	57.7	54.7	50.5	47.5	43.9	40.9	38.3	33.0	28.4	21.9	17.0	14.7
10N	63.2	63.5	58.5	63.0	64.4	56.1	65.5	60.2	53.0	48.9	44.5	41.6	40.5	37.0	33.3	29.1	26.3	23.1
6N	63.1	64.6	64.3	70.3	74.9	63.3	70.9	67.5	62.7	57.7	54.9	54.0	54.6	52.5	48.0	43.2	41.3	41.1
2N	61.6	66.7	71.6	75.6	77.9	72.9	76.8	76.1	71.6	69.7	66.8	64.3	64.4	63.3	58.9	54.1	53.9	56.0
2S	58.2	65.3	74.8	78.3	77.9	77.5	79.0	80.5	76.0	72.6	69.5	66.6	64.5	63.5	59.7	54.2	56.2	60.2
6S	53.5	59.9	70.5	76.0	76.8	75.7	76.5	78.8	75.5	68.2	62.5	60.7	57.0	56.3	53.3	51.2	50.2	52.7
10S	48.7	53.2	59.6	66.1	73.2	71.9	72.0	74.4	74.0	64.3	57.4	64.4	63.4	61.7	49.8	47.7	46.0	46.8
14S	45.3	47.2	51.0	55.6	63.1	69.8	68.5	70.9	71.5	67.7	59.0	54.5	51.6	49.3	47.4	45.9	44.8	44.3
18S	43.9	43.7	44.6	45.3	46.1	45.7	47.4	49.2	48.5	48.1	58.5	54.3	50.6	47.9	46.2	44.7	43.5	42.4
22S	44.4	42.6	41.1	38.1	35.4	64.8	65.7	65.5	64.7	64.7	57.6	53.9	50.2	47.1	45.5	44.2	43.1	41.6
26S	46.4	43.8	40.6	35.5	32.1	60.1	60.2	60.6	62.0	69.4	55.6	52.7	50.1	47.1	45.5	44.4	43.4	42.1
30S	48.8	47.1	42.8	35.1	33.4	52.7	56.0	57.1	56.8	55.5	54.2	51.5	49.8	48.0	47.3	46.3	44.8	43.7
34S	51.9	50.3	47.1	39.0	34.7	47.7	53.3	55.0	55.5	55.1	54.9	52.6	51.6	51.0	49.7	48.1	47.2	45.8
38S	54.6	53.9	52.5	46.4	37.9	45.7	51.4	54.2	55.2	55.7	55.7	55.0	54.1	53.3	51.8	50.6	50.3	48.8
42S	57.0	57.4	57.2	53.8	42.4	46.4	50.9	54.3	56.1	57.6	57.7	58.1	57.4	56.5	54.4	53.9	52.7	51.9
46S	59.3	60.3	60.3	58.3	48.0	49.6	52.0	56.4	59.0	61.3	61.8	62.7	62.6	62.0	61.9	60.9	61.5	61.7
50S	61.6	61.9	63.3	59.6	55.2	55.6	59.3	63.3	65.5	67.3	68.9	70.7	71.5	71.0	71.9	72.2	72.3	72.7
54S	64.5	64.8	65.4	65.8	65.6	66.0	67.0	68.4	70.6	72.7	74.1	75.2	76.3	76.7	76.1	76.1	76.1	76.0
58S	67.5	67.7	67.8	69.4	70.1	71.3	72.2	73.1	74.0	76.0	76.6	77.2	77.7	77.5	77.2	76.4	76.2	75.4
62S	69.6	70.1	70.1	71.6	72.2	74.1	75.5	76.2	76.9	76.8	76.8	76.7	76.4	75.7	75.5	76.3	74.2	73.0
66S	71.0	71.9	72.3	73.3	74.4	76.3	77.2	77.2	76.2	75.6	75.0	74.0	73.3	72.0	71.8	71.5	71.1	69.0
70S	73.5	73.5	74.6	75.4	76.8	78.1	77.1	76.6	74.4	73.0	71.8	70.3	69.0	68.3	67.2	67.0	67.1	65.1
74S	84.4	87.0	88.5	98.8	95.9	80.5	76.0	72.2	69.2	67.6	66.3	65.0	63.7	63.2	63.2	63.7	64.0	63.1
78S	83.6	84.7	84.9	84.4	81.5	76.8	72.2	68.5	66.7	65.3	63.9	63.0	62.3	62.1	62.7	63.4	63.6	63.2
82S	76.9	76.9	76.8	76.1	69.7	67.6	69.7	68.6	66.0	64.0	65.0	64.8	64.0	64.7	64.1	64.5	65.6	65.6
86S	71.0	71.1	71.3	71.4	71.6	70.1	69.8	69.2	69.3	68.8	68.5	68.0	68.0	68.0	68.1	68.8	69.3	69.0
90S	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6

	OE	5E	10E	15E	20E	25E	30E	35E	40E	45E	50F	55E	60F	65F	70E	75E	80F	85E
90N	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
86N	60.7	63.7	66.6	63.7	60.9	60.9	60.6	61.1	60.9	63.1	64.3	64.4	63.6	62.6	62.3	61.4	59.9	60.3
82N	64.9	67.4	68.8	68.0	67.2	64.9	67.5	68.1	69.4	71.7	75.7	74.7	73.5	75.6	73.4	64.8	62.5	64.9
78N	68.7	69.8	69.7	70.6	71.5	69.0	72.0	72.8	75.0	76.4	80.5	79.1	77.5	75.6	73.4	69.0	67.1	64.9
74N	71.2	71.5	71.4	71.8	72.0	71.9	72.4	73.4	75.0	75.4	76.0	75.1	74.0	73.0	73.4	72.2	72.3	73.0
70N	74.1	74.9	74.7	73.8	73.4	74.7	75.2	75.3	76.9	75.9	73.4	72.2	71.4	69.2	70.8	71.9	75.0	75.4
66N	71.2	71.8	69.5	69.8	70.5	71.1	74.0	76.1	77.0	76.6	75.2	71.9	71.6	72.2	71.2	71.3	70.8	71.2
62N	65.5	65.7	64.3	63.9	65.3	67.4	70.0	71.1	73.2	74.3	73.6	73.3	71.4	70.7	70.5	71.1	71.1	72.0
58N	59.0	59.7	60.2	61.2	64.1	66.6	67.8	70.0	72.0	72.5	73.1	73.0	69.6	67.3	67.5	68.9	71.4	71.7
54N	54.6	55.2	57.9	63.1	67.5	68.0	67.9	72.7	72.7	71.8	73.1	69.8	66.6	64.4	63.8	64.7	68.9	69.2
50N	55.6	51.9	57.6	69.4	71.4	67.4	67.2	70.7	67.9	70.4	68.6	64.4	63.6	64.2	63.2	60.6	63.2	67.4
46N	53.5	56.0	52.7	59.9	62.1	69.1	63.2	62.9	60.3	71.7	62.6	60.0	64.7	63.5	58.8	57.2	57.9	64.0
42N	58.1	58.5	54.1	59.5	63.9	69.5	64.7	66.2	61.3	65.0	57.7	57.4	64.2	61.6	56.6	52.1	50.0	49.5
38N	54.3	53.5	53.7	57.9	60.9	63.8	62.0	64.0	60.1	55.9	51.0	51.6	56.2	56.3	56.6	47.8	47.0	52.9
34N	41.9	42.5	47.0	49.3	50.4	53.7	54.0	53.2	52.2	47.0	43.5	44.2	45.8	50.6	56.9	43.1	46.7	53.1
30N	32.0	32.0	35.0	34.7	40.5	44.0	46.5	41.7	40.2	38.8	37.8	39.8	42.2	50.6	49.0	34.8	39.9	44.7
26N	21.4	23.6	24.8	26.7	28.8	31.6	35.6	36.2	34.8	34.0	34.6	37.8	42.1	48.3	36.7	32.1	41.2	38.2
22N	16.9	18.9	18.2	18.6	19.8	24.1	29.5	31.3	34.4	34.6	36.6	40.7	45.1	46.4	36.9	33.7	39.7	38.0
18N	15.6	16.8	15.6	14.4	15.5	20.7	25.8	28.5	35.9	38.2	40.9	45.1	48.7	46.7	40.4	36.4	39.1	41.0
14N	17.8	18.5	17.1	13.8	15.2	20.6	24.8	29.0	38.3	43.0	45.3	48.6	51.3	49.2	44.1	41.5	42.4	47.2
10N	27.1	30.5	25.3	17.5	19.2	23.9	28.6	34.8	43.7	46.8	48.0	50.2	52.2	51.4	49.3	50.5	53.1	60.4
6N	49.6	54.6	43.6	30.3	30.8	34.7	40.8	47.5	50.4	51.6	51.8	54.0	56.3	56.6	56.0	59.4	63.8	67.0
2N	64.3	70.9	66.0	56.3	52.9	52.6	56.2	60.9	58.5	58.0	59.8	63.5	65.4	66.1	66.3	68.9	71.2	72.6
25S	65.5	72.7	77.6	77.3	71.9	67.7	67.2	68.7	64.4	63.5	66.8	70.5	71.9	72.4	72.9	74.2	74.9	75.7
6S	57.7	64.2	72.7	76.7	75.4	72.5	70.8	69.7	67.4	67.3	70.5	71.9	72.5	72.3	72.9	73.9	74.7	75.0
10S	49.0	54.5	64.0	72.7	74.7	75.5	74.8	72.3	71.2	71.8	73.1	72.9	72.1	71.1	71.7	70.8	70.6	70.1
14S	43.9	46.4	53.4	62.8	70.1	75.2	74.9	77.1	75.1	75.3	75.3	73.2	70.2	66.8	65.5	64.8	63.9	63.4
18S	41.0	40.6	43.2	50.0	60.6	71.2	78.0	77.4	73.7	74.7	73.7	69.2	65.1	61.9	60.1	59.0	58.2	57.2
22S	40.0	37.5	36.5	38.0	49.5	64.0	73.1	74.1	69.7	70.4	68.9	63.7	59.6	57.1	55.2	54.0	53.1	51.9
26S	40.6	37.1	33.8	30.5	40.5	56.1	66.4	68.7	64.7	63.9	62.3	58.2	54.8	52.8	50.9	50.0	49.0	48.9
30S	42.4	39.1	34.8	30.4	36.1	50.7	60.4	62.4	59.3	57.6	55.8	52.5	50.7	49.4	48.0	47.4	46.9	45.7
34S	44.5	41.5	37.9	34.3	35.7	46.9	53.8	55.5	54.3	53.1	52.1	50.7	49.5	49.0	47.9	47.2	46.6	45.6
38S	47.7	45.2	42.8	40.3	40.0	45.1	49.8	51.8	52.1	51.6	51.1	50.2	49.2	48.9	48.1	47.7	47.2	46.3
42S	53.2	51.2	50.2	48.8	48.4	49.3	51.9	53.5	54.1	53.8	53.5	52.7	51.8	51.3	50.3	49.8	49.4	48.5
46S	61.7	60.3	60.3	60.0	59.9	60.2	60.4	60.8	60.5	60.0	59.2	58.6	57.8	56.9	55.3	54.5	53.6	52.8
50S	72.3	72.1	71.9	71.8	72.0	70.9	70.5	69.9	69.5	67.9	67.4	66.3	65.5	64.1	62.8	61.7	60.2	59.3
54S	75.4	75.2	74.4	74.0	73.1	72.3	71.3	70.5	69.1	68.1	66.8	65.5	64.9	63.9	63.8	62.9	62.5	61.9
58S	74.6	74.2	73.3	72.6	71.5	70.6	69.4	67.9	66.6	65.6	64.6	63.2	63.1	62.4	62.8	62.5	62.6	62.4
62S	72.1	71.6	70.6	69.4	68.2	67.4	66.2	64.7	63.8	62.8	62.5	61.6	61.3	60.6	60.9	61.4	61.7	62.1
66S	69.3	68.5	67.2	65.5	64.2	63.5	62.6	61.5	61.2	60.5	60.9	60.7	60.0	59.2	59.1	59.8	60.3	61.3
70S	67.0	64.5	62.9	61.3	60.1	59.2	58.8	57.8	58.3	58.6	59.2	59.2	58.8	58.5	57.7	57.9	58.2	59.0
74S	62.0	62.3	61.6	61.2	61.2	61.2	60.8	61.2	62.3	62.6	62.7	62.8	62.6	62.5	62.4	62.0	61.9	62.0
78S	62.4	63.1	63.4	63.5	63.5	63.8	63.5	64.4	64.7	65.4	65.6	65.7	65.6	65.3	65.5	65.4	64.9	64.7
82S	64.8	65.3	66.0	66.0	66.9	66.2	66.5	66.3	66.1	66.0	66.9	66.9	66.9	66.5	66.5	66.5	66.2	65.9
86S	67.5	68.0	68.1	68.1	68.0	68.3	67.9	67.5	67.6	67.4	67.6	67.4	67.4	67.2	66.9	66.8	66.9	66.8
90S	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.5	70.6	70.6	70.6	70.6	70.6	70.5	70.6	70.6	70.6	70.6

TABLE 5-14 JAN 800MS RELATIVE HUMIDITY (%)

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160F	165E	170E	175E
90N	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
86N	60.6	60.9	61.2	61.2	61.6	61.5	61.8	61.5	61.7	61.7	61.7	61.4	60.8	60.6	60.6	61.5	62.7	62.1
82N	63.7	64.4	64.8	64.4	64.9	65.4	65.4	65.5	65.6	65.9	65.8	65.0	63.9	63.2	62.9	65.2	65.8	64.3
78N	68.9	69.9	70.5	70.7	68.5	69.4	70.3	72.0	72.0	72.4	72.0	70.5	69.8	69.4	68.9	70.2	68.7	66.1
74N	74.1	74.7	75.8	77.2	71.8	72.5	74.4	76.8	77.4	77.3	76.7	74.6	75.1	76.1	75.7	74.5	71.5	68.6
70N	75.4	73.3	75.4	76.0	75.2	75.4	73.9	73.7	74.2	71.7	71.9	70.7	71.1	73.0	74.1	74.7	75.1	74.5
66N	71.5	68.2	66.7	68.9	71.4	72.3	71.6	71.4	72.3	70.0	64.3	66.1	76.4	74.1	74.0	73.1	72.9	72.8
62N	73.2	74.0	74.9	74.5	73.4	72.6	72.5	71.8	70.9	68.5	62.6	62.4	71.7	73.7	77.6	76.7	71.8	69.9
58N	73.8	77.0	78.4	75.6	74.2	74.1	75.9	74.5	74.2	75.1	70.3	61.9	64.5	71.4	76.8	76.4	70.8	68.2
54N	73.3	75.7	76.2	72.0	73.1	75.1	78.6	76.7	80.1	86.6	83.2	67.5	62.5	69.2	71.2	71.1	68.8	67.7
50N	78.5	81.4	90.1	80.8	74.9	74.7	73.8	72.6	78.8	83.0	81.6	84.8	74.1	70.9	67.3	66.9	64.5	66.6
46N	67.8	67.3	62.9	58.7	59.6	67.3	66.7	66.9	67.3	69.8	77.4	71.7	71.3	75.2	72.7	69.7	67.6	68.8
42N	50.9	50.2	53.6	50.8	53.0	55.0	53.4	56.4	60.1	73.3	78.1	67.0	68.3	73.2	73.9	71.7	70.3	70.0
38N	50.2	50.2	54.8	49.0	49.8	47.8	46.5	50.6	59.5	71.5	68.7	63.3	64.7	68.5	71.1	70.5	68.5	67.1
34N	60.0	63.6	61.2	52.4	51.6	48.4	47.9	52.2	62.7	62.4	55.5	59.9	61.8	64.2	66.3	65.9	62.8	61.4
30N	51.3	64.7	64.0	65.6	66.1	59.4	56.9	61.5	62.5	58.1	58.6	59.6	62.2	60.4	60.8	59.0	57.1	56.7
26N	47.8	64.9	72.9	79.9	70.2	64.8	65.3	65.0	62.0	58.7	57.9	59.3	60.9	60.9	57.3	56.9	54.5	54.2
22N	45.1	58.4	63.8	67.2	66.4	63.1	63.4	64.1	62.1	59.8	56.9	59.1	59.0	58.3	55.5	54.4	53.0	51.1
18N	46.3	55.9	56.9	58.4	61.9	60.3	61.3	64.0	63.4	61.7	57.2	58.1	56.8	55.7	54.1	52.8	52.4	50.5
14N	52.7	59.5	57.5	59.1	59.8	59.5	62.2	65.5	65.5	64.0	59.5	57.9	56.2	55.0	54.2	53.7	53.7	52.9
10N	63.7	65.1	63.2	60.6	60.7	62.2	64.1	65.8	66.5	65.6	64.6	62.5	60.2	58.8	59.1	59.3	58.2	56.8
6N	69.3	70.9	71.4	66.9	66.0	66.0	67.2	67.0	68.1	67.9	67.3	66.4	63.8	62.6	62.5	61.8	61.7	60.3
2N	74.1	74.8	74.3	71.7	70.2	69.6	69.6	68.8	69.5	69.5	69.3	68.5	66.8	66.2	66.0	65.6	65.3	62.8
2S	76.0	75.2	74.3	74.2	72.8	71.8	71.0	69.8	69.6	69.6	69.6	65.4	69.1	69.3	69.5	69.6	68.2	65.7
6S	73.9	72.3	72.7	73.4	72.7	71.7	70.6	69.3	68.4	68.2	68.5	61.6	60.7	70.9	72.1	72.7	70.6	69.2
10S	68.7	67.7	68.4	68.8	68.5	68.4	67.7	67.1	67.0	66.2	68.0	67.5	66.8	69.1	71.7	74.3	73.5	71.9
14S	62.0	61.0	60.1	59.8	58.5	57.9	57.0	56.3	57.1	60.3	64.8	66.6	66.1	64.2	67.7	70.1	72.4	73.1
18S	55.5	54.4	52.8	50.7	48.6	46.1	45.0	43.6	44.5	48.1	55.8	62.0	64.5	63.5	63.4	64.7	67.1	69.3
22S	50.2	48.6	46.5	43.9	40.9	37.2	36.4	35.6	35.7	38.0	44.8	53.5	59.3	60.4	59.5	59.5	60.9	63.2
26S	46.3	44.4	41.9	39.7	36.1	32.4	32.3	32.2	31.3	32.0	36.0	44.3	53.1	56.9	56.5	55.8	56.2	57.4
30S	43.8	42.0	39.8	37.3	34.5	32.2	31.8	31.7	30.0	29.6	32.1	38.7	48.3	53.5	55.0	54.9	54.7	54.4
34S	43.9	42.0	39.9	38.2	36.1	34.0	33.5	33.4	32.8	33.1	34.4	39.0	47.2	51.7	54.1	54.0	53.7	53.4
38S	44.9	43.6	42.1	41.1	39.7	38.4	37.8	37.8	37.8	38.2	39.3	42.3	47.8	51.7	54.1	54.2	53.8	52.6
42S	47.7	46.8	46.2	45.4	44.5	43.9	43.5	43.7	43.8	44.3	45.2	47.1	50.3	53.0	55.1	55.6	54.0	52.1
46S	52.4	51.6	51.5	50.6	50.2	49.6	49.5	49.8	49.5	50.5	51.2	52.3	54.3	55.9	57.6	58.3	55.2	53.5
50S	58.5	57.8	56.7	56.4	56.1	55.8	55.2	55.3	55.6	56.3	57.0	58.1	58.9	60.8	62.1	61.9	61.3	60.1
54S	61.1	60.4	59.9	59.7	59.5	59.1	59.2	59.6	59.8	60.0	61.2	62.4	62.7	64.7	65.8	65.8	65.4	64.8
58S	61.8	61.5	60.9	60.7	60.1	60.2	59.8	60.3	60.2	60.3	61.6	62.4	63.5	65.3	66.4	67.3	66.9	67.5
62S	62.0	61.9	61.4	60.8	60.6	60.6	59.5	59.6	59.1	58.9	59.7	60.1	61.4	63.2	64.3	65.9	64.6	68.2
66S	62.0	62.0	61.9	62.2	62.3	61.3	60.4	59.8	59.2	58.5	58.2	58.4	59.1	60.6	62.0	63.6	65.3	67.1
70S	60.7	61.4	62.2	62.6	62.9	62.9	63.7	63.0	63.2	63.0	61.3	61.2	61.1	60.5	62.8	63.7	62.8	64.4
74S	62.7	63.1	63.5	63.7	64.4	64.9	64.8	64.8	64.5	64.1	62.7	62.4	61.6	60.8	61.5	61.4	61.0	60.8
78S	64.6	64.8	64.9	65.0	64.9	64.8	64.4	64.2	64.2	63.9	62.9	62.0	60.6	59.5	59.0	58.4	58.3	57.8
82S	65.7	65.5	65.5	65.5	65.1	64.0	63.3	62.9	63.1	63.0	62.4	61.6	60.6	59.5	59.0	58.4	57.9	57.2
86S	66.8	66.4	66.4	66.3	66.3	64.8	63.9	63.9	63.8	63.8	63.5	63.5	63.3	62.4	62.2	62.1	61.6	60.8
90S	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6

TABLE 5-15 (UJF) MONTH ZONAL WIND (M/SEC) - 11/11/68

[illegible]

TABLE 5-15 (DJF) ANOMAL ZONAL WIND (M/SEC)-N/HEM

	97.5h	82.5h	77.5h	72.5h	67.5h	62.5h	57.5h	52.5h	47.5h	42.5h	37.5h	32.5h	27.5h	22.5h	17.5h	12.5h	7.5h	2.5h
88N	-1.29	-1.29	-1.42	-1.67	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80
94N	-1.54	-1.54	-1.74	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12
88N	-1.54	-1.54	-1.74	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12
76N	-1.35	-1.48	-1.80	-2.32	-1.93	-0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72N	-0.58	-0.71	-0.84	-0.97	-0.64	0.13	0.39	-0.19	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58
68N	1.03	1.03	1.16	1.42	1.54	1.54	1.16	0.39	-0.51	-1.54	-1.54	-0.51	0.64	1.03	1.03	1.03	1.03	1.03
64N	2.64	2.77	2.96	3.22	3.22	2.96	2.12	0.71	-0.32	-0.97	-0.64	0.64	1.00	3.41	4.67	5.47	5.96	5.72
60N	3.99	4.25	4.44	4.57	4.57	4.44	3.93	3.02	2.70	2.96	3.67	4.83	5.04	7.14	7.77	7.77	7.46	6.95
56N	5.08	5.47	5.79	6.05	6.24	6.37	6.43	6.43	6.43	7.79	10.94	11.20	9.85	10.40	10.36	9.46	8.56	7.66
52N	5.98	6.63	7.08	7.34	7.59	7.85	8.17	8.56	9.27	10.30	10.94	11.20	11.20	11.13	10.40	9.46	8.56	7.66
48N	7.46	8.49	9.01	9.01	9.01	9.01	9.27	9.78	10.23	10.62	10.81	10.81	10.36	9.46	8.40	7.46	6.31	5.01
44N	9.59	10.75	11.07	10.55	10.23	10.10	10.10	10.23	10.64	9.52	9.01	8.49	7.70	6.80	6.31	5.47	4.67	3.41
40N	10.62	11.26	11.26	10.62	10.23	10.10	9.78	9.27	8.56	7.66	6.82	6.05	5.34	4.70	4.19	3.90	3.47	3.22
36N	9.52	9.52	9.52	9.52	9.33	8.94	8.17	7.01	6.18	5.66	4.95	4.05	3.47	3.27	2.96	2.70	2.90	3.54
32N	6.50	6.63	6.76	6.89	6.69	6.18	5.47	4.57	4.05	3.93	3.47	2.70	2.39	2.51	2.57	2.57	2.77	3.15
28N	2.90	3.02	2.96	2.70	2.57	2.57	2.57	2.57	2.57	2.57	2.32	1.80	1.67	1.03	1.00	1.87	1.93	2.10
24N	-0.58	-0.71	-1.03	-1.54	-1.48	-0.84	-0.13	0.64	1.03	1.03	0.90	0.64	0.64	0.71	0.71	0.64	0.64	0.90
20N	-3.28	-3.67	-3.99	-4.25	-4.12	-3.60	-2.83	-1.80	-1.22	-1.09	-0.90	-0.64	-0.30	-0.13	0.0	0.0	-0.19	-0.50
16N	-5.15	-5.15	-5.15	-5.15	-5.21	-5.34	-5.02	-4.25	-3.47	-2.70	-2.19	-1.93	-1.67	-1.42	-1.20	-1.20	-1.43	-1.97
12N	-5.15	-5.15	-5.15	-5.15	-5.60	-6.50	-6.63	-5.98	-5.15	-4.12	-3.35	-2.83	-2.57	-2.57	-2.57	-2.90	-3.54	-4.90
8N	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
4N	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
0	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
45S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
45S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
125S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
165S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
205S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
245S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
285S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
325S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
365S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
405S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
445S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
485S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
525S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
565S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
605S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
645S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
685S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
725S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
765S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
805S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
845S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
885S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
925S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
965S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90
1005S	-5.73	-7.08	-7.53	-7.14	-5.73	-7.08	-7.53	-7.14	-6.50	-5.60	-4.83	-4.18	-3.67	-3.27	-2.90	-2.90	-3.54	-4.90

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
80N																		
84N	1.03	1.03	0.90	0.64	0.58	0.71	0.77	0.77	0.58	0.19	0.0	0.0	0.26	0.77	0.77	0.75	0.0	0.0
80N	2.51	2.38	2.19	1.93	1.87	1.99	1.99	1.87	1.42	0.64	0.26	0.0	0.45	0.64	0.64	0.64	0.45	0.32
76N	3.28	3.15	2.96	2.70	2.57	2.57	2.45	2.19	1.74	1.09	0.77	0.77	0.84	0.97	1.03	1.03	0.95	0.94
72N	4.05	3.93	3.54	2.90	2.57	2.57	2.45	2.19	1.87	1.48	1.22	1.09	1.09	1.29	1.29	1.29	1.29	1.29
68N	4.76	4.50	3.93	3.02	2.57	2.57	2.51	2.38	2.19	1.93	1.80	1.80	1.87	1.98	2.06	2.06	2.06	2.06
64N	5.41	4.89	4.18	3.28	2.77	2.64	2.57	2.57	2.51	2.38	2.45	2.70	3.02	3.41	3.67	3.80	3.80	3.67
60N	6.24	5.34	4.63	4.12	3.73	3.47	3.35	3.35	3.22	2.96	2.96	3.22	3.73	4.50	5.02	5.28	5.41	5.41
56N	6.76	5.86	5.28	5.02	4.83	4.70	4.50	4.25	3.80	3.15	2.90	3.02	3.41	4.25	4.63	4.63	5.02	5.98
52N	6.16	5.66	5.34	5.21	5.15	5.15	4.83	4.14	3.54	2.90	2.51	2.38	2.51	2.90	3.35	3.46	4.57	5.47
48N	4.50	4.76	4.95	5.08	5.15	5.15	4.70	3.80	3.15	2.77	2.25	1.61	1.48	1.87	2.25	2.64	3.47	4.76
44N	3.35	4.38	4.95	5.08	5.15	5.15	4.76	3.99	3.35	2.83	2.32	1.80	1.35	0.97	1.22	2.12	3.22	4.50
40N	3.67	4.83	5.41	5.41	5.34	5.21	5.02	4.76	4.44	4.05	3.54	2.90	1.93	0.64	0.64	1.93	3.22	4.50
36N	4.38	5.41	5.98	6.11	5.92	5.41	5.15	5.15	5.15	5.15	4.57	3.41	2.12	0.71	0.64	1.93	3.22	4.50
32N	3.99	5.28	6.11	6.50	6.37	5.73	5.34	5.21	5.28	5.53	5.21	4.31	3.15	1.74	1.54	2.57	3.80	5.21
29N	2.96	4.75	5.15	5.66	5.74	5.53	5.34	5.21	5.28	5.53	5.47	5.08	4.25	2.96	2.77	3.67	4.70	5.86
24N	1.42	2.19	2.90	3.55	3.86	3.86	3.93	4.05	4.31	4.70	4.70	4.31	3.73	2.96	2.96	3.54	4.38	5.41
20N	-0.51	-0.00	0.51	1.03	1.42	1.67	1.80	1.80	1.93	2.10	2.32	2.32	2.25	2.12	2.19	2.45	3.02	3.93
16N	-1.93	-1.67	-1.35	-0.97	-0.45	0.19	0.13	-0.64	-1.09	-1.22	-0.90	-0.13	0.30	0.64	0.84	0.97	1.16	1.42
12N																		
8N																		
4N																		
0																		
4S																		
8S																		
12S																		
16S																		
20S																		
24S																		
28S																		
32S																		
36S																		
40S																		
44S																		
48S																		
52S																		
56S																		
60S																		
64S																		
68S																		
72S																		
76S																		
80S																		
84S																		
88S																		

[illegible]

TABLE 5-16 (DJF) 925-mb meridional wind (m/sec)-N/NEH

	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
40N	1.53	1.23	1.03	1.09	1.22	1.29	1.29	1.29	1.29	1.29	1.29	1.03	0.51	0.30	0.44	0.58	0.19
45N	0.64	0.90	1.16	1.42	1.93	1.93	1.67	1.54	1.54	1.54	1.54	1.20	0.77	0.64	0.90	0.77	0.26
50N	0.32	0.97	1.54	2.06	2.38	2.32	1.87	1.54	1.54	1.48	1.35	1.00	0.71	0.64	0.90	0.77	0.26
55N	1.39	1.74	2.19	2.45	2.51	2.38	1.74	1.48	1.35	1.22	1.09	0.90	0.64	0.64	0.90	0.90	0.64
60N	1.67	1.93	1.99	1.87	1.74	1.48	1.35	1.22	1.09	1.09	1.22	1.16	0.90	0.90	1.16	1.22	1.09
65N	1.16	0.90	0.77	0.77	0.77	0.77	0.77	0.84	0.97	1.16	1.42	1.42	1.16	1.22	1.41	1.67	1.42
70N	0.32	-0.06	-0.13	-0.32	0.45	0.51	0.51	0.71	1.09	1.29	1.29	1.22	1.00	1.35	1.90	2.12	1.74
75N	-0.71	-1.00	-1.03	-0.51	0.32	0.58	0.71	0.97	1.35	1.42	1.16	0.97	0.84	1.00	1.74	1.80	1.29
80N	-1.93	-2.19	-1.93	-1.16	-0.45	0.19	0.64	1.09	1.22	1.22	1.09	0.84	0.45	0.64	0.94	0.77	0.26
85N	-2.57	-2.57	-2.19	-1.42	0.58	0.84	0.97	1.03	1.03	1.03	1.03	0.77	0.24	0.19	0.54	0.39	-0.39
90N	-2.57	-2.57	-2.19	-1.42	-0.51	1.03	1.03	1.03	1.03	1.09	1.22	1.16	0.90	0.71	0.54	0.06	-0.44
95N	-2.57	-2.57	-2.19	-1.42	-0.58	0.32	0.77	0.84	0.97	1.16	1.42	1.67	1.93	1.54	0.51	-0.45	-1.35
100N	-2.38	-2.51	-2.25	-1.61	-0.90	0.26	0.26	0.32	0.45	0.58	0.71	1.00	1.74	1.42	0.13	-0.97	-1.87
105N	-1.99	-2.38	-2.38	-1.99	-1.48	-0.39	-0.13	0.0	0.0	0.0	0.0	0.32	0.97	0.64	-0.44	-1.25	-2.25
110N	-1.61	-2.25	-2.51	-2.38	-2.19	-1.93	-1.61	-1.22	-0.90	-0.64	-0.45	-0.32	0.32	-0.00	-1.03	-1.80	-2.32
115N	-1.42	-2.19	-2.57	-2.57	-2.77	-3.15	-3.22	-2.96	-2.57	-2.06	-1.54	-1.03	-0.71	-0.58	-1.00	-1.54	-2.06
120N	-1.03	-2.06	-2.1	-2.38	-2.64	-3.28	-3.80	-4.18	-3.93	-3.02	-2.19	-1.42	-1.03	-0.90	-0.44	-0.64	-0.90
125N	-0.58	-1.74	-1.93	-2.06	-2.57	-3.35	-4.38	-4.31	-3.15	-2.12	-1.22	-0.77	-0.77	-0.48	0.0	0.0	0.0
130N	-0.45	-1.35	-1.67	-1.42	-1.54	-2.06	-2.64	-3.24	-2.83	-2.06	-1.03	-0.51	-0.51	-0.51	-0.39	-0.13	-0.13
135N	-0.32	-0.97	-1.42	-1.42	-1.93	-2.19	-2.38	-2.51	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57
140N	-0.32	-0.97	-1.42	-1.42	-1.93	-2.19	-2.38	-2.51	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57
145N	-0.32	-0.97	-1.42	-1.42	-1.93	-2.19	-2.38	-2.51	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57
150N	-0.32	-0.97	-1.42	-1.42	-1.93	-2.19	-2.38	-2.51	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57	-2.57
155N	-0.32	-0.97	-1.42	-1.42	-1.93	-2.19	-2.38	-2.51									

[illegible]

TABLE 5-17 JAN 800MR ZONAL GEOSTROPHIC (M/SEC)

	177.5M	172.5M	167.5M	162.5M	157.5M	152.5M	147.5M	142.5M	137.5M	132.5M	127.5M	122.5M	117.5M	112.5M	107.5M	102.5M	97.5M	92.5M
89N	3.12	3.14	3.15	3.14	3.08	2.99	2.87	2.72	2.56	2.35	2.13	1.91	1.60	1.47	1.23	0.99	0.75	0.55
90N	4.37	4.31	4.24	4.14	3.99	3.81	3.59	3.32	3.03	2.67	2.29	1.89	1.48	1.07	0.65	0.26	-0.08	-0.36
91N	4.10	4.02	3.92	3.81	3.69	3.56	3.41	3.25	3.05	2.74	2.38	1.96	1.48	1.00	0.50	0.01	-0.41	-0.74
92N	2.54	2.52	2.43	2.35	2.31	2.24	2.13	2.03	1.93	1.83	1.73	1.63	1.53	1.43	1.33	1.23	1.13	1.03
93N	0.29	0.31	0.28	0.26	0.32	0.54	0.90	1.38	1.88	2.26	2.45	2.45	2.28	2.00	1.63	1.24	0.85	0.50
94N	-2.00	-1.85	-1.75	-1.64	-1.44	-1.08	-0.54	0.17	1.01	1.80	2.39	2.76	2.88	2.68	2.34	1.90	1.40	1.00
95N	-3.78	-3.39	-2.99	-2.59	-2.12	-1.61	-1.04	-0.33	0.55	1.54	2.46	3.19	3.60	3.68	3.56	3.34	3.10	2.85
96N	-4.32	-3.69	-2.95	-2.12	-1.29	-0.61	-0.08	0.40	1.03	1.91	2.96	3.95	4.61	4.87	4.80	4.55	4.28	4.01
97N	-2.88	-2.14	-1.16	-0.01	1.10	1.94	2.36	2.50	2.66	3.18	4.07	5.09	5.92	6.30	6.23	5.90	5.52	5.22
98N	0.95	1.56	2.49	3.59	4.67	5.47	5.80	5.64	5.42	5.38	5.78	6.53	7.31	7.77	7.64	7.21	6.76	6.48
99N	6.34	6.55	7.01	7.59	8.16	8.63	8.84	8.68	8.23	7.72	7.41	7.48	7.84	8.15	8.17	7.67	7.11	6.75
100N	11.01	10.74	10.56	10.42	10.28	10.22	10.20	10.05	9.59	8.81	7.87	7.13	6.83	6.06	5.28	4.40	3.50	2.60
101N	13.52	12.85	12.17	11.45	10.76	10.22	9.90	9.63	9.13	8.24	6.99	5.75	4.85	4.01	3.42	2.82	2.25	1.68
102N	13.80	12.89	11.89	10.82	9.79	8.95	8.35	7.87	7.31	6.47	5.33	4.10	3.10	2.40	2.00	1.60	1.20	0.80
103N	12.18	11.17	10.03	8.93	7.68	6.74	6.03	5.42	4.87	4.28	3.61	2.91	2.37	2.00	1.60	1.20	0.80	0.40
104N	9.02	9.09	6.95	5.75	4.66	3.84	3.26	2.80	2.48	2.29	2.17	2.09	2.00	1.90	1.80	1.70	1.60	1.50
105N	5.03	4.32	3.33	2.22	1.25	0.59	0.23	0.05	0.06	0.21	0.38	0.59	0.90	1.23	1.57	1.91	2.15	2.20
106N	0.96	0.59	-0.14	-1.07	-1.94	-2.53	-2.85	-2.93	-2.76	-2.50	-2.28	-2.02	-1.59	-1.12	-0.85	-0.57	-0.28	0.00
107N	-2.64	-2.63	-2.98	-3.63	-4.37	-5.00	-5.44	-5.63	-5.55	-5.34	-5.14	-4.88	-4.33	-3.64	-3.23	-2.87	-2.47	-2.00
108N	-4.96	-4.46	-4.69	-4.69	-5.16	-5.73	-6.27	-6.61	-6.70	-6.58	-6.38	-6.04	-5.40	-4.58	-4.35	-4.16	-3.94	-3.68
109N	-5.68	-4.91	-4.38	-4.21	-4.32	-4.63	-5.01	-5.31	-5.41	-5.30	-5.04	-4.67	-4.12	-3.43	-3.26	-3.04	-2.76	-2.40
110N	-5.49	-4.72	-4.06	-3.63	-3.41	-3.41	-3.60	-3.84	-3.94	-3.84	-3.64	-3.41	-3.10	-2.66	-2.10	-1.64	-1.14	-0.57
111N	-5.00	-4.69	-4.24	-3.64	-3.11	-2.94	-3.14	-3.49	-3.73	-3.80	-3.79	-3.80	-3.73	-3.48	-3.00	-2.72	-2.48	-2.15
112N	-4.22	-4.31	-4.07	-3.43	-2.79	-2.64	-2.97	-3.48	-3.91	-4.18	-4.35	-4.53	-4.65	-4.58	-4.35	-4.16	-3.94	-3.68
113N	-3.04	-2.89	-2.53	-2.06	-1.82	-2.02	-2.54	-3.17	-3.77	-4.17	-4.35	-4.51	-4.71	-4.78	-4.58	-4.35	-4.12	-3.83
114N	-0.96	-0.50	-0.14	-0.13	-0.60	-1.74	-1.89	-2.47	-3.07	-3.44	-3.53	-3.59	-3.81	-4.00	-4.00	-4.31	-4.60	-4.84
115N	0.66	0.92	0.94	0.49	-0.32	-1.01	-1.48	-1.80	-2.16	-2.36	-2.33	-2.35	-2.57	-2.85	-3.08	-3.35	-3.70	-3.88
116N	0.47	0.48	0.26	-0.24	-0.80	-1.13	-1.13	-1.10	-1.17	-1.16	-1.01	-0.98	-1.16	-1.46	-1.71	-1.89	-2.10	-2.33
117N	-0.53	-0.57	-0.74	-0.91	-0.89	-0.64	-0.27	0.00	0.13	0.27	0.47	0.55	0.40	0.13	-0.08	-0.15	-0.22	-0.44
118N	-0.88	-0.72	-0.59	-0.29	0.24	0.87	1.39	1.67	1.79	1.89	2.03	2.10	2.02	1.81	1.63	1.55	1.42	1.12
119N	0.36	0.79	1.23	1.76	2.38	2.97	3.38	3.58	3.63	3.64	3.67	3.72	3.75	3.67	3.53	3.32	2.98	2.48
120N	2.65	3.21	3.75	4.18	4.53	4.82	5.05	5.27	5.40	5.43	5.44	5.54	5.69	5.76	5.70	5.44	5.02	4.45
121N	5.33	5.79	6.18	6.36	6.36	6.37	6.49	6.76	7.01	7.14	7.22	7.39	7.61	7.78	7.70	7.46	7.42	7.07
122N	8.23	8.35	8.18	8.36	8.14	7.99	8.02	8.24	8.52	8.74	8.90	9.05	9.25	9.43	9.53	9.62	9.73	9.80
123N	11.10	10.85	10.57	10.26	10.02	9.88	9.83	9.90	10.04	10.23	10.39	10.47	10.56	10.60	10.88	11.16	11.58	12.06
124N	12.84	12.40	11.98	11.66	11.51	11.41	11.29	11.18	11.12	11.20	11.29	11.30	11.31	11.41	11.64	12.02	12.52	13.12
125N	12.34	12.08	11.83	11.66	11.56	11.42	11.24	11.02	10.86	10.82	10.84	10.84	10.85	10.96	11.20	11.54	11.93	12.35
126N	9.73	9.78	9.79	9.79	9.72	9.54	9.32	9.10	8.93	8.83	8.79	8.77	8.81	8.92	9.10	9.31	9.51	9.70
127N	5.89	6.14	6.31	6.41	6.38	6.23	6.06	5.92	5.79	5.69	5.61	5.55	5.55	5.61	5.66	5.72	5.74	5.72
128N	2.14	2.34	2.49	2.57	2.60	2.58	2.55	2.52	2.46	2.38	2.29	2.18	2.11	2.05	1.97	1.89	1.76	1.64
129N	0.07	0.06	0.06	0.07	0.13	0.23	0.33	0.39	0.39	0.35	0.28	0.17	0.06	-0.05	-0.18	-0.31	-0.48	-0.62
130N	-0.62	-0.76	-0.87	-0.91	-0.86	-0.73	-0.59	-0.49	-0.44	-0.43	-0.45	-0.49	-0.54	-0.60	-0.67	-0.76	-0.88	-0.98
131N	-1.31	-1.48	-1.60	-1.64	-1.59	-1.50	-1.39	-1.29	-1.21	-1.14	-1.09	-1.04	-0.98	-0.94	-0.92	-0.92	-0.95	-1.00
132N	-2.11	-2.26	-2.36	-2.40	-2.39	-2.34	-2.28	-2.19	-2.10	-2.01	-1.90	-1.80	-1.68	-1.54	-1.43	-1.35	-1.27	-1.25
133N	-2.24	-2.39	-2.49	-2.57	-2.60	-2.60	-2.61	-2.60	-2.55	-2.49	-2.42	-2.33	-2.23	-2.08	-1.94	-1.82	-1.69	-1.59

TABLE 5-17 JAN 800MB ZONAL GEOSTROPHIC (M/SEC)

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	0.38	0.23	0.11	0.01	-0.06	-0.11	-0.13	-0.13	-0.12	-0.13	-0.17	-0.20	-0.23	-0.31	-0.41	-0.53	-0.66	-0.79
84N	-0.56	-0.68	-0.73	-0.65	-0.49	-0.25	0.05	0.39	0.75	1.06	1.30	1.51	1.65	1.68	1.65	1.56	1.42	1.27
80N	-1.05	-1.21	-1.24	-1.12	-0.84	-0.44	0.03	0.56	1.10	1.58	1.98	2.30	2.50	2.61	2.63	2.60	2.42	2.44
76N	-0.79	-1.02	-1.10	-1.03	-0.81	-0.47	-0.06	0.38	1.24	1.60	1.60	1.88	2.09	2.28	2.43	2.58	2.71	2.84
72N	0.18	-0.09	-0.28	-0.36	-0.35	-0.27	-0.14	-0.02	0.11	0.22	0.33	0.49	0.73	1.06	1.48	1.95	2.44	2.92
68N	1.41	1.15	0.90	0.66	0.44	0.23	0.07	-0.10	-0.29	-0.44	-0.48	-0.36	-0.23	0.51	1.21	1.97	2.72	3.38
64N	2.59	2.35	2.12	1.83	1.49	1.17	0.90	0.68	0.50	0.40	0.49	0.74	1.17	1.80	2.56	3.28	3.90	4.31
60N	3.77	3.57	3.39	3.15	2.85	2.57	2.39	2.35	2.43	2.64	2.99	3.39	3.83	4.33	4.82	5.16	5.29	5.19
56N	5.02	4.91	4.82	4.70	4.51	4.33	4.10	4.63	5.02	5.53	6.08	6.53	6.82	6.90	7.01	6.78	6.31	5.65
52N	6.45	6.45	6.52	6.54	6.50	6.37	6.15	7.17	7.72	8.30	8.81	9.11	9.10	8.83	8.32	7.57	6.65	5.72
48N	8.02	8.36	8.63	.80	8.91	9.03	9.25	9.58	9.95	10.24	10.39	10.33	9.95	9.28	8.39	7.38	6.37	5.48
44N	9.71	10.40	10.86	11.16	11.35	11.42	11.42	11.40	11.29	11.04	10.66	10.13	9.43	8.53	7.51	6.53	5.74	5.18
40N	10.91	11.82	12.40	12.75	12.93	12.85	12.53	12.05	11.40	10.60	9.73	8.83	7.92	6.98	6.05	5.31	4.80	4.77
36N	11.04	11.94	12.49	12.82	12.91	12.65	12.05	11.17	10.10	8.92	7.75	6.66	5.72	4.80	4.21	3.83	3.85	4.21
32N	9.7C	10.35	10.73	10.92	10.87	10.47	9.74	8.73	7.53	6.29	5.12	4.10	3.30	2.71	2.36	2.35	2.75	3.50
28N	6.60	6.87	7.02	7.12	7.05	6.73	6.14	5.31	4.35	3.40	2.56	1.85	1.34	1.05	0.99	1.23	1.78	2.63
24N	2.08	1.99	2.06	2.30	2.54	2.57	2.34	1.87	1.31	0.81	0.39	0.04	-0.16	-0.18	0.00	0.35	0.84	1.46
20N	-2.82	-3.14	-3.02	-2.47	-1.77	-1.30	-1.17	-1.28	-1.46	-1.61	-1.71	-1.81	-1.79	-1.55	-1.15	-0.73	-0.41	-0.14
16N	-6.53	-6.98	-6.80	-6.10	-5.20	-4.50	-4.17	-4.03	-3.92	-3.80	-3.73	-3.70	-3.51	-3.04	-2.43	-1.99	-1.85	-1.94
12N	-6.63	-7.04	-7.01	-6.73	-6.35	-6.03	-5.85	-5.66	-5.36	-5.07	-4.90	-4.77	-4.42	-3.80	-3.13	-2.74	-2.74	-3.01
8N	-3.53	-3.67	-3.94	-4.49	-5.05	-5.43	-5.62	-5.52	-5.12	-4.73	-4.49	-4.24	-3.77	-3.17	-2.61	-2.31	-2.34	-2.52
4N	-1.36	-1.09	-1.23	-1.88	-2.64	-3.27	-3.74	-3.88	-3.74	-3.63	-3.69	-3.63	-3.20	-2.81	-2.38	-2.18	-2.17	-2.16
0	-1.54	-0.85	-0.34	-0.07	-0.08	-0.44	-1.06	-1.65	-2.17	-2.85	-3.65	-4.18	-4.21	-3.88	-3.54	-3.40	-3.38	-3.17
4S	-2.57	-1.54	-0.34	0.93	1.83	1.89	1.12	-0.02	-1.27	-2.69	-4.14	-5.17	-5.52	-5.35	-5.04	-4.88	-4.78	-4.29
8S	-3.40	-2.15	-0.78	0.68	1.93	2.21	1.19	-0.52	-2.24	-3.79	-5.16	-6.12	-6.49	-6.36	-6.04	-5.73	-5.33	-4.44
12S	-3.81	-2.72	-1.71	-0.69	0.37	0.71	-0.23	-1.87	-3.29	-4.28	-5.02	-5.56	-5.81	-5.77	-5.53	-5.17	-4.66	-3.81
16S	-3.56	-2.04	-2.39	-1.83	-1.17	-0.82	-1.22	-1.94	-2.36	-2.53	-2.74	-3.06	-3.38	-3.60	-3.62	-3.46	-3.26	-3.01
20S	-2.37	-2.20	-2.03	-1.86	-1.64	-1.43	-1.29	-0.97	-0.36	0.17	0.29	-0.01	-0.49	-0.97	-1.30	-1.44	-1.58	-1.89
24S	-0.73	-0.94	-0.97	-0.93	-0.98	-0.92	-0.42	0.61	1.84	2.73	2.98	2.69	2.11	1.40	0.97	0.60	0.24	-0.33
28S	0.62	0.18	0.16	0.39	0.49	0.66	1.34	2.50	3.68	4.46	4.72	4.54	4.07	3.50	2.99	2.58	2.18	1.69
32S	1.81	1.30	1.40	1.95	2.48	3.04	3.87	4.79	5.54	6.02	6.24	6.22	6.00	5.68	5.40	5.19	4.96	4.67
36S	3.79	3.34	3.49	4.12	4.89	5.75	6.68	7.46	7.96	8.32	8.58	8.71	8.71	8.68	8.72	8.83	8.89	8.84
40S	6.66	6.39	6.48	6.85	7.41	8.19	9.10	9.86	10.39	10.84	11.25	11.57	11.78	11.96	12.20	12.50	12.79	13.03
44S	9.79	9.74	9.66	9.53	9.57	9.94	10.60	11.31	11.93	12.55	13.16	13.70	14.12	14.45	14.73	14.90	15.34	15.76
48S	12.42	12.51	12.20	11.55	10.93	10.71	10.92	11.32	11.85	12.54	13.32	14.07	14.59	15.14	15.34	15.40	15.57	15.92
52S	13.59	13.65	13.12	12.13	11.08	10.34	9.96	9.83	10.00	10.51	11.26	12.06	12.77	13.25	13.42	13.35	13.28	13.35
56S	12.68	12.64	12.04	11.05	9.94	8.95	8.16	7.62	7.42	7.55	7.99	8.56	9.10	9.47	9.62	9.57	9.41	9.22
60S	9.84	9.76	9.33	8.62	7.77	6.91	6.11	5.48	5.07	4.88	4.86	4.96	5.11	5.22	5.25	5.20	5.06	4.79
64S	5.73	5.70	5.56	5.31	4.96	4.52	4.04	3.59	3.18	2.75	2.33	1.94	1.64	1.43	1.26	1.16	1.04	0.78
68S	1.62	1.67	1.81	1.99	2.14	2.20	2.16	2.02	1.73	1.23	0.58	-0.08	-0.66	-1.11	-1.45	-1.65	-1.81	-2.03
72S	-0.66	-0.59	-0.38	-0.08	0.25	0.52	0.68	0.69	0.49	0.09	-0.46	-1.04	-1.53	-1.93	-2.24	-2.47	-2.64	-2.90
76S	-1.05	-1.05	-0.96	-0.82	-0.67	-0.54	-0.43	-0.52	-0.69	-0.93	-1.21	-1.49	-1.68	-1.84	-1.96	-2.05	-2.13	-2.19
80S	-1.06	-1.11	-1.14	-1.17	-1.22	-1.27	-1.32	-1.41	-1.53	-1.63	-1.68	-1.71	-1.68	-1.64	-1.57	-1.49	-1.44	-1.38
84S	-1.26	-1.26	-1.29	-1.34	-1.41	-1.48	-1.54	-1.56	-1.57	-1.54	-1.45	-1.34	-1.20	-1.05	-0.88	-0.70	-0.53	-0.40
88S	-1.49	-1.36	-1.25	-1.16	-1.07	-0.99	-0.88	-0.75	-0.61	-0.45	-0.28	-0.11	0.09	0.27	0.46	0.66	0.84	0.99

TABLE 5-17 JAN 800MB ZONAL GEOSTROPHIC (M/SEC)

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
88N	-0.92	-1.03	-1.16	-1.28	-1.36	-1.44	-1.51	-1.55	-1.60	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61
84N	1.10	0.92	0.71	0.49	0.30	0.11	-0.08	-0.25	-0.43	-0.56	-0.68	-0.78	-0.86	-0.93	-0.99	-1.03	-1.06	-1.09
80N	2.35	2.19	1.97	1.75	1.51	1.26	1.03	0.83	0.64	0.50	0.41	0.35	0.32	0.28	0.26	0.27	0.28	0.32
76N	2.94	2.93	2.80	2.60	2.35	2.10	1.88	1.72	1.61	1.58	1.61	1.70	1.82	1.92	2.05	2.16	2.24	2.32
72N	3.29	3.45	3.41	3.26	3.04	2.80	2.65	2.60	2.64	2.78	3.00	3.28	3.50	3.68	4.10	4.45	4.61	4.71
68N	3.82	3.99	3.94	3.82	3.65	3.50	3.49	3.62	3.83	4.12	4.50	4.91	5.34	5.74	6.14	6.45	6.63	6.69
64N	4.48	4.44	4.31	4.23	4.18	4.22	4.37	4.65	4.98	5.35	5.74	6.16	6.58	6.97	7.33	7.59	7.70	7.69
60N	4.94	4.67	4.53	4.57	4.70	4.90	5.14	5.44	5.79	6.11	6.42	6.74	7.06	7.38	7.68	7.95	7.91	7.86
56N	5.11	4.73	4.67	4.87	5.13	5.43	5.64	5.90	6.14	6.34	6.50	6.65	6.85	7.00	7.34	7.49	7.50	7.44
52N	5.01	4.66	4.70	4.99	5.30	5.56	5.78	5.95	6.05	6.09	6.08	6.08	6.18	6.35	6.53	6.65	6.66	6.60
48N	4.87	4.57	4.58	4.78	5.04	5.29	5.51	5.63	5.65	5.67	5.62	5.52	5.29	5.25	5.24	5.25	5.24	5.17
44N	4.83	4.62	4.53	4.59	4.75	4.95	5.13	5.24	5.22	5.06	4.84	4.56	4.23	3.85	3.50	3.24	3.10	3.04
40N	4.82	4.85	4.84	4.84	4.86	4.91	4.96	4.98	4.92	4.73	4.45	4.01	3.37	2.61	1.86	1.26	0.91	0.79
36N	4.72	5.15	5.40	5.43	5.29	5.08	4.90	4.80	4.71	4.53	4.21	3.69	2.92	2.00	1.03	0.20	-0.37	-0.64
32N	4.43	5.26	5.77	5.85	5.56	5.12	4.74	4.55	4.47	4.34	4.09	3.68	3.11	2.41	1.62	0.85	0.19	-0.30
28N	3.65	4.56	5.15	5.29	5.08	4.66	4.27	4.10	4.09	4.06	3.96	3.85	3.73	3.53	3.24	2.85	2.34	1.84
24N	2.16	2.82	3.33	3.66	3.81	3.77	3.63	3.59	3.63	3.64	3.62	3.69	3.83	3.97	4.05	3.99	3.82	3.66
20N	0.09	0.38	0.82	1.41	2.04	2.55	2.86	3.02	3.09	3.03	2.90	2.80	2.78	2.81	2.87	2.90	3.01	3.33
16N	-0.09	-2.11	-1.77	-1.00	-0.01	-0.99	1.70	2.12	2.27	2.11	1.72	1.21	0.72	0.35	0.17	0.15	0.41	1.06
12N	-3.31	-3.46	-3.27	-2.63	-1.68	-0.67	0.16	0.70	0.92	0.75	0.15	-0.73	-1.65	-2.33	-2.69	-2.74	-2.45	-1.86
8N	-2.73	-2.86	-2.83	-2.52	-1.98	-1.43	-0.97	-0.62	-0.47	-0.66	-1.28	-2.22	-3.21	-3.96	-4.31	-4.29	-4.03	-3.67
4N	-2.06	-1.90	-1.70	-1.40	-1.11	-1.00	-0.92	-0.71	-0.51	-0.58	-1.05	-1.82	-2.71	-3.47	-3.87	-3.89	-3.72	-3.46
0	-2.59	-1.81	-0.99	-0.30	0.01	-0.08	-0.09	0.32	0.88	1.16	0.97	0.35	-0.53	-1.40	-1.97	-2.23	-2.26	-1.99
4S	-3.20	-1.70	-0.17	0.93	1.21	0.99	0.81	1.45	2.34	2.85	2.81	2.23	1.26	0.26	-0.52	-1.06	-1.32	-1.27
8S	-2.86	-0.73	1.36	2.56	2.39	1.47	1.09	1.71	2.55	2.83	2.44	1.56	0.37	-0.76	-1.66	-2.37	-2.78	-2.56
12S	-2.45	-0.57	1.35	2.28	1.72	0.54	0.09	0.62	1.14	0.91	0.02	-1.14	-2.33	-3.38	-4.20	-4.89	-5.36	-5.30
16S	-2.64	-1.93	-0.95	-0.44	-0.82	-1.45	-1.40	-0.80	-0.57	-1.13	-2.18	-3.24	-4.15	-4.80	-5.45	-5.93	-6.33	-6.36
20S	-2.38	-2.74	-2.71	-2.57	-2.60	-2.51	-1.97	-1.35	-1.29	-1.94	-2.90	-3.73	-4.34	-4.77	-5.04	-5.27	-5.46	-5.44
24S	-1.12	-1.97	-2.52	-2.65	-2.42	-1.87	-1.18	-0.73	-0.75	-1.24	-1.95	-2.52	-2.90	-3.10	-3.17	-3.17	-3.15	-3.07
28S	1.06	0.34	-0.28	-0.49	-0.16	0.46	0.95	1.11	1.05	0.82	0.46	0.16	-0.03	-0.12	-0.11	-0.01	0.15	0.31
32S	4.33	3.94	3.55	3.43	3.77	4.26	4.47	4.37	4.23	4.12	4.00	3.92	3.91	3.88	3.86	3.94	4.07	4.15
36S	8.75	8.63	8.46	8.45	8.72	9.03	9.00	8.68	8.37	8.15	8.00	7.98	8.07	8.12	8.11	8.11	8.15	8.11
40S	13.23	13.33	13.34	13.40	13.57	13.61	13.31	12.80	12.31	11.90	11.61	11.53	11.65	11.80	11.86	11.88	11.90	11.81
44S	16.18	16.49	16.66	16.80	16.86	16.87	16.17	15.55	14.99	14.49	14.15	14.08	14.22	14.46	14.65	14.73	14.88	14.82
48S	16.36	16.72	17.00	17.20	17.24	16.97	16.46	15.91	15.45	15.11	14.97	15.03	15.25	15.58	15.94	16.27	16.46	16.44
52S	13.49	13.63	13.78	13.92	13.93	13.71	13.36	13.02	12.80	12.78	12.96	13.29	13.67	14.10	14.55	14.93	15.10	15.04
56S	9.01	8.81	8.66	8.55	8.43	8.25	8.05	7.90	7.87	8.07	8.48	9.00	9.50	9.95	10.31	10.52	10.52	10.36
60S	4.42	4.01	3.62	3.27	2.99	2.83	2.73	2.70	2.76	3.03	3.47	3.95	4.37	4.68	4.85	4.84	4.66	4.45
64S	0.40	-0.05	-0.50	-0.94	-1.27	-1.39	-1.37	-1.28	-1.14	-0.87	-0.57	-0.33	-0.10	-0.13	-0.16	-0.31	-0.52	-0.69
68S	-2.32	-2.67	-3.02	-3.35	-3.57	-3.59	-3.42	-3.17	-2.91	-2.67	-2.56	-2.64	-2.84	-3.05	-3.22	-3.36	-3.46	-3.48
72S	-2.98	-3.17	-3.35	-3.50	-3.53	-3.41	-3.14	-2.79	-2.47	-2.26	-2.28	-2.53	-2.90	-3.21	-3.40	-3.46	-3.42	-3.30
76S	-2.26	-2.30	-2.34	-2.35	-2.26	-2.08	-1.82	-1.52	-1.26	-1.11	-1.14	-1.36	-1.64	-1.91	-2.00	-2.00	-1.91	-1.75
80S	-1.33	-1.27	-1.20	-1.12	-1.30	-0.85	-0.68	-0.48	-0.31	-0.22	-0.22	-0.31	-0.44	-0.53	-0.59	-0.59	-0.53	-0.42
84S	-0.27	-0.13	0.01	0.11	0.22	0.34	0.45	0.56	0.65	0.71	0.73	0.72	0.70	0.67	0.66	0.64	0.64	0.63
88S	1.14	1.31	1.45	1.55	1.62	1.70	1.77	1.83	1.85	1.86	1.87	1.84	1.81	1.74	1.67	1.59	1.50	1.40

TABLE 5-17 JAN 800HR ZONAL GEOSTROPHIC (M/SEC)

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N	-1.03	-0.84	-0.64	-0.39	-0.12	0.16	0.44	0.74	1.04	1.35	1.66	1.94	2.10	2.42	2.63	2.80	2.94	3.05
84N	-0.78	-0.63	-0.42	-0.16	0.14	0.48	0.85	1.25	1.67	2.09	2.53	2.92	3.28	3.61	3.86	4.08	4.24	4.33
80N	0.40	0.49	0.59	0.73	0.90	1.09	1.31	1.58	1.86	2.17	2.52	2.85	3.17	3.46	3.68	3.89	4.01	4.08
76N	2.35	2.32	2.23	2.12	1.98	1.82	1.68	1.58	1.52	1.59	1.71	1.86	2.04	2.25	2.48	2.73	2.97	3.22
72N	4.68	4.50	4.17	3.72	3.16	2.54	1.91	1.33	0.80	0.36	0.05	-0.14	-0.24	-0.25	-0.18	-0.06	0.07	0.20
68N	6.58	6.27	5.75	5.02	4.12	3.13	2.11	1.11	0.18	-0.65	-1.32	-1.84	-2.20	-2.42	-2.50	-2.50	-2.39	-2.20
64N	7.54	7.19	6.60	5.76	4.75	3.62	2.43	1.23	0.08	-0.95	-1.86	-2.61	-3.21	-3.66	-4.01	-4.25	-4.27	-4.09
60N	7.74	7.43	6.87	6.10	5.17	4.09	2.95	1.76	0.59	-0.48	-1.43	-2.25	-2.98	-3.60	-4.17	-4.62	-4.81	-4.72
56N	7.36	7.15	6.72	6.13	5.41	4.57	3.66	2.68	1.66	0.75	-0.03	-0.71	-1.34	-1.94	-2.52	-3.00	-3.27	-3.26
52N	6.53	6.43	6.25	5.97	5.59	5.12	4.57	3.95	3.28	2.74	2.05	1.34	0.64	0.02	0.75	1.46	2.11	2.71
48N	5.12	5.19	5.39	5.64	5.79	5.82	5.77	5.65	5.50	5.47	5.61	5.81	6.01	6.17	6.32	6.41	6.35	6.35
44N	3.07	3.39	4.08	4.96	5.77	6.45	7.02	7.51	7.95	8.44	9.07	9.70	10.25	10.73	11.13	11.40	11.46	11.31
40N	0.90	1.46	2.53	3.91	5.30	6.61	7.83	8.95	9.94	10.67	11.82	12.68	13.35	13.88	14.27	14.47	14.40	14.07
36N	-0.55	0.08	1.28	2.83	4.53	6.25	7.94	9.56	11.00	12.22	13.29	14.16	14.77	15.15	15.36	15.36	15.07	14.55
32N	-0.40	0.06	1.01	2.30	3.87	5.57	7.33	9.12	10.73	12.04	13.03	13.75	14.20	14.36	14.33	14.16	13.64	13.00
28N	1.60	1.73	2.12	2.73	3.64	4.76	6.01	7.36	8.64	9.70	10.42	10.91	11.15	11.15	10.98	10.67	10.26	9.73
24N	3.63	3.58	3.37	3.14	3.15	3.46	3.92	4.50	5.16	5.74	6.11	6.28	6.28	6.11	5.91	5.73	5.60	5.42
20N	3.72	3.73	3.12	2.21	1.54	1.26	1.19	1.26	1.46	1.68	1.70	1.50	1.17	0.80	0.57	0.56	0.75	0.97
16N	1.75	1.86	1.13	-0.06	-1.02	-1.51	-1.68	-1.69	-1.61	-1.54	-1.78	-2.36	-3.06	-3.61	-3.75	-3.40	-3.40	-2.96
12N	-1.29	-1.21	-1.76	-2.68	-3.45	-3.77	-3.73	-3.50	-3.25	-3.18	-3.57	-4.45	-5.30	-5.90	-6.17	-6.06	-5.80	-5.43
8N	-3.39	-3.35	-3.61	-4.11	-4.61	-4.78	-4.55	-4.11	-3.72	-3.64	-4.14	-5.18	-6.21	-6.70	-6.58	-6.48	-6.25	-5.73
4N	-3.19	-3.01	-3.06	-3.40	-3.81	-3.99	-3.77	-3.34	-3.00	-3.00	-3.63	-4.83	-5.90	-6.40	-6.42	-6.23	-6.17	-6.02
0	-1.48	-1.02	-0.92	-1.21	-1.56	-1.70	-1.55	-1.25	-1.03	-1.14	-1.90	-3.30	-4.71	-5.48	-5.55	-5.34	-5.21	-5.17
4S	-2.69	-2.23	-1.77	-1.49	-1.59	-2.13	-2.95	-3.69	-4.06	-3.87	-3.11	-2.13	-1.33	-0.85	-0.63	-0.56	-0.58	-0.58
8S	-1.64	-0.53	0.18	0.42	0.57	0.88	1.22	1.54	1.94	2.20	1.73	0.31	-1.44	-2.60	-3.18	-3.19	-3.10	-3.07
12S	-4.49	-3.25	-2.17	-1.42	-0.86	-0.40	-0.16	0.06	0.64	1.44	1.74	1.09	-0.10	-1.30	-1.33	-1.36	-1.33	-1.24
16S	-5.74	-4.67	-3.55	-2.62	-2.02	-1.90	-2.23	-2.55	-2.21	-1.21	-0.17	0.28	0.16	0.00	0.09	0.29	0.42	0.48
20S	-4.98	-4.19	-3.32	-2.59	-2.30	-2.64	-3.45	-4.20	-4.27	-3.54	-2.37	-1.33	-0.71	-0.35	-0.03	0.25	0.40	0.43
24S	-2.69	-2.23	-1.77	-1.49	-1.59	-2.13	-2.95	-3.69	-4.06	-3.87	-3.11	-2.13	-1.33	-0.85	-0.63	-0.56	-0.58	-0.58
28S	0.47	0.57	0.56	0.39	0.06	-0.32	-0.65	-0.99	-1.45	-1.80	-1.69	-1.18	-0.63	-0.35	-0.43	-0.76	-1.06	-1.07
32S	4.07	3.88	3.54	3.09	2.74	2.63	2.74	2.74	2.30	1.61	1.18	1.15	1.26	1.21	0.89	0.39	-0.01	0.01
36S	7.90	7.55	7.09	6.61	6.30	6.28	6.47	6.51	6.09	5.27	4.46	3.92	3.53	3.13	2.71	2.32	2.10	2.22
40S	11.56	11.19	10.74	10.33	10.09	10.06	10.16	10.18	9.82	8.99	7.95	6.90	6.19	5.53	5.04	4.79	4.76	4.95
44S	14.59	14.23	13.83	13.52	13.36	13.30	13.31	13.33	13.10	12.42	11.39	10.24	9.43	8.63	8.18	7.97	7.99	8.08
48S	16.22	15.88	15.53	15.27	15.15	15.07	15.07	15.13	15.08	14.74	14.10	13.41	12.77	12.21	11.91	11.50	11.46	11.37
52S	14.82	14.52	14.20	13.96	13.82	13.77	13.83	13.99	14.19	14.34	14.40	14.20	14.20	14.12	13.94	13.75	13.55	13.26
56S	10.16	9.93	9.72	9.55	9.44	9.47	9.65	9.96	10.42	11.02	11.64	12.18	12.50	12.68	12.77	12.77	12.71	12.57
60S	4.30	4.20	4.14	4.12	4.14	4.29	4.57	4.98	5.56	6.29	7.07	7.75	8.24	8.62	8.97	9.25	9.46	9.63
64S	-0.77	-0.74	-0.64	-0.49	-0.29	-0.04	0.25	0.60	1.05	1.63	2.24	2.77	3.25	3.73	4.24	4.77	5.20	5.57
68S	-3.44	-3.29	-3.07	-2.82	-2.53	-2.28	-2.08	-1.92	-1.76	-1.51	-1.27	-0.89	-0.48	-0.00	0.56	1.11	1.56	1.89
72S	-2.93	-2.93	-2.69	-2.46	-2.23	-2.08	-2.00	-2.00	-2.02	-1.98	-1.87	-1.66	-1.36	-0.98	-0.56	-0.22	0.02	0.06
76S	-1.55	-1.37	-1.21	-1.08	-0.97	-0.91	-0.91	-0.95	-1.02	-1.02	-0.95	-0.84	-0.60	-0.40	-0.23	-0.27	-0.32	-0.47
80S	-0.30	-0.20	-0.16	-0.13	-0.17	-0.17	-0.23	-0.31	-0.41	-0.46	-0.49	-0.54	-0.54	-0.54	-0.62	-0.74	-0.91	-1.12
84S	0.61	0.59	0.52	0.44	0.35	0.19	0.03	-0.13	-0.29	-0.44	-0.60	-0.76	-0.94	-1.11	-1.30	-1.52	-1.73	-1.93
88S	1.26	1.12	0.95	0.79	0.62	0.41	0.20	-0.02	-0.23	-0.44	-0.66	-0.87	-1.10	-1.30	-1.52	-1.73	-1.92	-2.08

TABLE 5-18 JAN 800MB MERIDIONAL GFOTROPHIC (M/SEC)

	177.5W	172.5W	167.5W	162.5W	157.5W	152.5W	147.5W	142.5W	137.5W	132.5W	127.5W	122.5W	117.5W	112.5W	107.5W	102.5W	97.5W	92.5W
88N	0.79	0.48	0.18	-0.15	-0.47	-0.78	-1.04	-1.29	-1.49	-1.65	-1.91	-1.94	-2.03	-2.08	-2.11	-2.12	-2.06	-1.99
84N	0.52	0.03	-0.47	-0.93	-1.38	-1.83	-2.21	-2.54	-2.82	-3.02	-3.17	-3.27	-3.29	-3.22	-3.00	-2.80	-2.54	-2.12
80N	0.24	-0.33	-0.86	-1.34	-1.76	-2.19	-2.61	-3.00	-3.38	-3.72	-4.01	-4.20	-4.28	-4.23	-4.05	-3.73	-3.23	-2.57
76N	0.07	-0.51	-1.08	-1.54	-1.96	-2.38	-2.79	-3.18	-3.56	-3.92	-4.14	-4.26	-4.31	-4.23	-4.05	-3.73	-3.23	-2.57
72N	0.04	-0.55	-1.11	-1.57	-2.00	-2.41	-2.81	-3.19	-3.56	-3.92	-4.14	-4.26	-4.31	-4.23	-4.05	-3.73	-3.23	-2.57
68N	0.25	-0.40	-0.77	-1.11	-1.47	-1.83	-2.19	-2.54	-2.82	-3.02	-3.17	-3.27	-3.29	-3.22	-3.00	-2.80	-2.54	-2.12
64N	0.73	0.10	-0.27	-0.73	-1.16	-1.50	-1.80	-2.07	-2.27	-2.44	-2.64	-2.82	-2.97	-3.04	-3.08	-3.04	-2.91	-2.64
60N	1.41	0.98	0.71	0.79	1.16	1.71	2.32	2.82	3.18	3.44	3.64	3.78	3.87	3.90	3.90	3.87	3.78	3.44
56N	2.15	2.11	2.10	2.23	2.40	2.50	2.72	2.87	3.18	3.44	3.64	3.78	3.87	3.90	3.90	3.87	3.78	3.44
52N	3.28	3.24	3.59	3.84	4.14	4.36	4.66	4.88	5.10	5.32	5.54	5.76	5.98	6.20	6.42	6.64	6.86	7.08
48N	3.06	3.89	4.54	4.92	5.30	5.68	6.06	6.44	6.82	7.20	7.58	7.96	8.34	8.72	9.10	9.48	9.86	10.24
44N	2.89	3.67	4.32	4.70	5.08	5.46	5.84	6.22	6.60	6.98	7.36	7.74	8.12	8.50	8.88	9.26	9.64	10.02
40N	2.42	3.43	4.24	4.67	5.05	5.43	5.81	6.19	6.57	6.95	7.33	7.71	8.09	8.47	8.85	9.23	9.61	10.00
36N	1.75	2.68	3.46	3.91	4.29	4.67	5.05	5.43	5.81	6.19	6.57	6.95	7.33	7.71	8.09	8.47	8.85	9.23
32N	0.95	1.80	2.56	3.02	3.39	3.77	4.15	4.53	4.91	5.29	5.67	6.05	6.43	6.81	7.19	7.57	7.95	8.33
28N	0.15	0.90	1.63	2.14	2.30	2.66	3.02	3.38	3.74	4.10	4.46	4.82	5.18	5.54	5.90	6.26	6.62	6.98
24N	-0.49	0.06	0.69	1.32	1.74	2.12	2.50	2.88	3.26	3.64	4.02	4.40	4.78	5.16	5.54	5.92	6.30	6.68
20N	-0.91	-0.63	-0.33	-0.55	1.27	1.62	1.97	2.32	2.65	2.97	3.30	3.62	3.95	4.28	4.60	4.92	5.25	5.58
16N	-1.07	-1.09	-0.82	-0.11	0.81	1.45	1.41	0.83	0.26	-0.18	-0.72	-1.18	-1.23	-0.75	0.09	1.05	1.87	2.25
12N	-0.89	-1.15	-1.12	-0.56	0.33	1.05	1.16	0.76	0.34	-0.05	-0.55	-0.90	-0.74	-0.24	0.46	1.07	1.72	2.22
8N	-0.41	-0.74	-0.97	-0.68	0.02	0.65	0.78	0.55	0.33	0.10	-0.30	-0.50	-0.15	0.38	0.60	0.84	1.07	1.22
4N	-0.21	-0.49	-0.70	-0.50	0.01	0.40	0.45	0.33	0.21	-0.09	-0.32	-0.36	0.04	0.45	0.57	0.43	0.29	0.33
0	-0.56	-0.73	-0.56	-0.13	0.15	0.11	0.01	0.02	-0.11	-0.31	-0.76	-0.56	-0.21	-0.14	-0.16	-0.07	0.05	0.09
4S	-0.98	-1.04	-0.38	0.32	0.33	-0.20	-0.47	-0.37	-0.58	-1.11	-1.25	-0.86	-0.59	-0.84	-0.09	-0.62	-0.13	-0.00
8S	-1.05	-1.01	-0.04	0.77	0.48	-0.44	-0.91	-0.90	-1.14	-1.55	-1.12	-0.86	-0.80	-1.13	-1.31	-0.80	-0.18	0.34
12S	-0.75	-0.65	0.24	0.84	0.28	-0.82	-1.35	-1.43	-1.61	-1.75	-1.58	-1.26	-1.09	-1.16	-1.31	-1.05	-0.25	0.77
16S	-0.45	-0.38	0.19	0.40	-0.32	-1.28	-1.63	-1.69	-1.79	-1.71	-1.48	-1.30	-1.20	-1.24	-1.39	-1.25	-0.46	0.85
20S	-0.33	-0.35	-0.09	-0.14	-0.80	-1.40	-1.53	-1.60	-1.67	-1.46	-1.23	-1.22	-1.26	-1.30	-1.45	-1.31	-0.63	0.68
24S	-0.31	-0.43	-0.33	-0.40	-0.81	-1.11	-1.13	-1.28	-1.37	-1.11	-0.93	-1.08	-1.27	-1.34	-1.40	-1.31	-0.67	0.40
28S	-0.22	-0.42	-0.32	-0.20	-0.36	-0.54	-0.66	-0.95	-1.08	-0.82	-0.69	-0.97	-1.31	-1.40	-1.26	-1.24	-0.66	0.08
32S	0.09	-0.10	0.04	0.30	0.25	0.01	-0.31	-0.74	-0.95	-0.72	-0.57	-0.88	-1.32	-1.45	-1.20	-1.11	-0.89	-0.40
36S	0.57	0.45	0.54	0.74	0.66	0.34	-0.06	-0.56	-0.87	-0.73	-0.51	-0.71	-1.16	-1.41	-1.41	-1.40	-1.36	-1.04
40S	1.27	1.00	0.95	0.93	0.75	0.45	0.16	-0.29	-0.69	-0.66	-0.40	-0.48	-0.91	-1.30	-1.40	-1.45	-1.76	-1.57
44S	1.41	1.34	1.10	0.85	0.58	0.40	0.32	0.03	-0.40	-0.46	-0.40	-0.25	-0.68	-1.15	-1.40	-1.45	-1.83	-1.77
48S	1.38	1.29	0.91	0.55	0.32	0.30	0.38	0.25	-0.10	-0.27	-0.06	-0.10	-0.52	-1.00	-1.25	-1.35	-1.49	-1.48
52S	0.89	0.82	0.49	0.22	0.14	0.20	0.30	0.24	0.03	-0.06	0.03	-0.06	-0.45	-0.84	-0.84	-0.84	-0.81	-0.81
56S	0.38	0.33	0.12	0.01	0.01	0.04	0.06	0.02	-0.06	-0.03	0.04	-0.07	-0.30	-0.64	-0.56	-0.29	-0.13	-0.16
60S	0.36	0.25	0.05	-0.10	-0.20	-0.29	-0.33	-0.32	-0.24	-0.09	0.01	-0.07	-0.27	-0.30	-0.21	0.15	0.33	0.24
64S	0.82	0.62	0.05	-0.13	-0.47	-0.70	-0.76	-0.66	-0.47	-0.24	-0.09	-0.10	-0.17	-0.10	-0.01	0.34	0.51	0.40
68S	1.55	1.20	0.61	-0.07	-0.63	-0.99	-1.07	-0.93	-0.69	-0.45	-0.30	-0.27	-0.25	-0.10	-0.01	0.25	0.42	0.36
72S	2.01	1.52	0.81	0.05	-0.59	-0.97	-1.11	-1.03	-0.87	-0.70	-0.63	-0.63	-0.62	-0.54	-0.37	-0.11	0.11	0.19
76S	2.01	1.47	0.81	0.14	-0.40	-0.77	-0.98	-1.04	-0.82	-0.58	-0.40	-0.48	-1.12	-1.08	-0.90	-0.63	-0.33	-0.09
80S	1.85	1.37	0.82	0.28	-0.16	-0.51	-0.81	-1.02	-1.15	-1.22	-1.30	-1.08	-1.44	-1.54	-1.40	-1.13	-0.81	-0.49
84S	1.71	1.34	0.91	0.50	0.16	-0.18	-0.54	-0.86	-1.08	-1.23	-1.36	-1.54	-1.68	-1.74	-1.70	-1.51	-1.24	-1.01
88S	1.60	1.34	1.06	0.79	0.53	0.27	-0.02	-0.32	-0.55	-0.75	-0.93	-1.12	-1.31	-1.46	-1.56	-1.50	-1.56	-1.56

TABLE 5-18 JAN 8008B MERIDIONAL GEOSTROPHIC (M/SEC)

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	-1.90	-1.80	-1.70	-1.59	-1.49	-1.40	-1.32	-1.26	-1.24	-1.21	-1.21	-1.24	-1.24	-1.24	-1.34	-1.34	-1.31	-1.26
84N	-1.69	-1.21	-0.72	-0.26	0.14	0.48	0.73	0.83	0.82	0.69	0.44	0.11	-0.26	-0.63	-0.96	-1.24	-1.46	-1.60
80N	-1.83	-0.99	0.78	0.78	1.54	2.18	2.62	2.79	2.72	2.40	1.87	1.21	0.52	-0.15	-0.74	-1.20	-1.54	-1.79
76N	-2.14	-1.06	0.14	1.32	2.38	3.26	3.83	4.05	3.91	3.44	2.72	1.87	1.04	0.25	-0.42	-0.91	-1.25	-1.53
72N	-2.48	-1.34	-0.02	1.31	2.49	3.47	4.07	4.26	4.08	3.57	2.87	2.11	1.42	0.80	0.30	-0.06	-0.34	-0.65
68N	-2.74	-1.66	-0.42	0.83	1.94	2.85	3.41	3.56	3.38	2.99	2.56	2.19	1.49	1.73	1.56	1.37	1.06	0.57
64N	-2.91	-1.93	-0.65	0.20	1.16	1.97	2.49	2.67	2.58	2.40	2.35	2.45	2.65	2.83	2.90	2.71	2.20	1.34
60N	-3.04	-2.12	-1.18	-0.32	0.51	1.30	1.91	2.22	2.28	2.33	2.54	2.90	3.32	3.65	3.72	3.35	2.52	1.37
56N	-3.12	-2.20	-1.36	-0.65	0.08	0.95	1.76	2.28	2.54	2.77	3.06	3.37	3.69	3.92	3.81	3.14	1.99	0.67
52N	-3.13	-2.15	-1.37	-0.79	-0.09	0.90	1.97	2.75	3.18	3.46	3.66	3.69	3.67	3.60	3.19	2.21	0.86	-0.43
48N	-2.90	-1.89	-1.19	-0.70	-0.03	1.06	2.32	3.26	3.72	3.92	3.91	3.58	3.16	2.77	2.10	0.97	-0.38	-1.45
44N	-2.24	-1.33	-0.82	-0.46	0.14	1.22	2.51	3.42	3.80	3.86	3.61	3.02	2.32	1.60	0.91	-0.16	-1.31	-2.12
40N	-1.24	-0.61	-0.35	-0.18	0.26	1.19	2.35	3.12	3.37	3.28	2.91	2.22	1.40	0.63	-0.15	-1.00	-1.85	-2.43
36N	-0.07	0.13	0.12	0.08	0.27	0.92	1.83	2.41	2.52	2.34	1.93	1.28	0.48	-0.20	-0.93	-1.48	-1.98	-2.32
32N	0.98	0.78	0.52	0.27	0.15	0.45	1.05	1.45	1.44	1.20	0.85	0.33	-0.33	-0.97	-1.40	-1.50	-1.70	-1.90
28N	1.66	1.19	0.78	0.33	-0.06	-0.05	0.31	0.55	0.48	0.24	-0.03	-0.41	-0.92	-1.38	-1.56	-1.42	-1.17	-1.01
24N	1.94	1.38	0.97	0.46	-0.11	-0.31	-0.15	-0.06	-0.18	-0.34	-0.54	-0.86	-1.27	-1.59	-1.57	-1.17	-0.66	-0.32
20N	1.95	1.53	1.36	0.96	0.24	-0.23	-0.32	-0.41	-0.55	-0.65	-0.82	-1.16	-1.49	-1.66	-1.51	-0.99	-0.36	0.06
16N	1.73	1.69	1.98	1.82	0.97	0.14	-0.78	-0.51	-0.68	-0.78	-1.00	-1.36	-1.57	-1.55	-1.33	-0.88	-0.31	0.11
12N	1.23	1.69	2.44	2.55	1.64	0.53	-0.12	-0.40	-0.54	-0.71	-1.03	-1.36	-1.36	-0.97	-0.93	-0.74	-0.40	-0.07
8N	0.87	1.51	2.28	2.40	1.56	0.50	-0.07	-0.18	-0.22	-0.47	-0.90	-1.14	-0.91	-0.57	-0.51	-0.54	-0.50	-0.27
4N	0.63	1.20	1.81	1.87	1.15	0.28	-0.16	-0.24	-0.29	-0.47	-0.69	-0.75	-0.46	-0.17	-0.24	-0.44	-0.52	-0.34
0	0.22	0.77	1.53	1.75	1.15	0.32	-0.27	-0.72	-1.02	-0.91	-0.55	-0.28	-0.08	0.00	-0.04	-0.37	-0.44	-0.23
4S	0.04	0.62	1.61	2.07	1.47	0.35	-0.65	-1.19	-2.12	-1.68	-0.68	-0.01	0.20	0.26	0.12	-0.20	-0.21	0.19
8S	0.66	1.31	2.42	3.07	2.14	0.11	-1.73	-2.99	-3.51	-2.81	-1.40	-0.27	0.44	0.44	0.32	0.07	0.30	1.15
12S	1.60	2.31	3.40	4.14	2.84	-0.24	-3.01	-4.43	-4.67	-3.74	-2.12	-0.70	0.70	0.60	0.55	0.41	0.92	2.23
16S	2.01	2.76	3.72	4.49	3.16	-0.34	-3.53	-4.92	-4.87	-3.81	-2.25	-0.88	0.05	0.56	0.65	0.61	1.14	2.59
20S	1.94	2.67	3.49	4.24	3.08	-0.23	-3.19	-4.29	-4.07	-3.21	-2.09	-1.06	-0.27	0.27	0.49	0.52	0.98	2.14
24S	1.53	2.26	3.03	3.68	2.69	-0.04	-2.28	-2.90	-2.70	-2.34	-1.36	-1.30	-0.74	-0.21	0.14	0.24	0.54	1.31
28S	0.99	1.81	2.70	3.24	2.28	0.19	-1.20	-1.37	-1.32	-1.53	-1.67	-1.54	-1.10	-0.72	-0.32	-0.13	0.08	0.57
32S	0.40	1.48	2.75	3.34	2.37	0.67	-0.26	-0.32	-0.48	-1.03	-1.51	-1.63	-1.44	-1.04	-0.64	-0.43	-0.23	0.16
36S	-0.23	1.25	3.04	3.87	3.00	1.47	0.60	0.32	-0.07	-0.73	-1.29	-1.54	-1.47	-1.04	-0.64	-0.44	-0.32	-0.20
40S	-0.73	1.08	3.27	4.38	3.72	2.36	1.47	0.95	0.35	-0.35	-0.96	-1.34	-1.34	-0.90	-0.39	-0.20	-0.15	0.09
44S	-0.94	0.96	3.28	4.53	4.15	3.12	2.32	1.68	0.96	0.22	-0.44	-0.94	-1.02	-0.59	-0.07	0.15	0.24	0.48
48S	-0.79	0.88	2.92	4.11	4.06	3.52	3.01	2.44	1.77	1.05	0.34	-0.26	-0.40	-0.23	0.15	0.40	0.68	1.05
52S	-0.40	0.72	2.10	3.01	3.25	3.21	3.09	2.80	2.44	2.01	1.42	0.73	0.27	0.18	0.22	0.38	0.83	1.40
56S	-0.08	0.35	0.98	1.49	1.84	2.14	2.39	2.53	2.69	2.78	2.47	1.78	1.11	0.64	0.29	0.25	0.64	1.26
60S	0.01	-0.10	-0.08	0.04	0.33	0.79	1.32	1.90	2.59	3.12	3.07	2.44	1.44	0.96	0.30	0.14	0.37	0.84
64S	0.04	-0.40	-0.76	-0.94	-0.80	-0.34	0.34	1.21	2.18	2.89	2.95	2.40	1.62	0.83	0.36	0.05	0.04	0.31
68S	0.06	-0.39	-0.83	-1.11	-1.11	-0.76	-0.11	0.74	1.58	2.10	2.08	1.56	0.80	0.37	-0.02	-0.25	-0.31	-0.25
72S	0.13	-0.06	-0.30	-0.45	-0.47	-0.29	0.09	0.55	0.91	1.00	0.74	0.22	-0.20	-0.63	-0.80	-0.87	-0.88	-0.82
76S	0.09	0.18	0.23	0.26	0.29	0.33	0.36	0.36	0.24	-0.03	-0.46	-0.96	-1.35	-1.56	-1.61	-1.59	-1.50	-1.37
80S	-0.24	-0.17	0.02	0.29	0.33	0.28	0.12	-0.14	-0.45	-0.82	-1.24	-1.65	-1.84	-2.10	-2.14	-2.11	-1.98	-1.80
84S	-0.85	-0.68	-0.53	-0.44	-0.43	-0.52	-0.70	-0.96	-1.23	-1.48	-1.75	-2.00	-2.18	-2.28	-2.33	-2.31	-2.17	-2.00
88S	-1.60	-1.63	-1.65	-1.67	-1.71	-1.78	-1.87	-2.00	-2.09	-2.16	-2.23	-2.27	-2.30	-2.28	-2.24	-2.15	-2.02	-1.87

TABLE 5-18 JAN 800MB MERIDIONAL GEOSTROPHIC (M/SEC)

	2.5F	7.5E	12.5E	17.5E	22.5E	27.5E	32.5F	37.5E	42.5E	47.5E	52.5F	57.5E	62.5F	67.5F	72.5F	77.5E	82.5F	87.5E
88N	-1.17	-1.07	-0.94	-0.77	-0.62	-0.46	-0.29	-0.17	0.06	0.24	0.42	0.60	0.78	0.96	1.17	1.39	1.61	1.83
84N	-1.67	-1.69	-1.64	-1.54	-1.46	-1.36	-1.22	-1.06	-0.89	-0.71	-0.55	-0.37	-0.16	0.06	0.37	0.67	0.97	1.46
80N	-1.96	-2.05	-2.08	-2.07	-2.03	-1.94	-1.79	-1.59	-1.38	-1.18	-1.00	-0.80	-0.58	-0.36	-0.08	0.29	0.72	1.16
76N	-1.79	-2.02	-2.21	-2.35	-2.39	-2.29	-2.08	-1.77	-1.46	-1.18	-0.92	-0.68	-0.44	-0.22	0.02	0.70	0.64	0.97
72N	-1.07	-1.59	-2.09	-2.47	-2.61	-2.48	-2.13	-1.66	-1.19	-0.78	-0.42	-0.11	0.16	0.37	0.53	0.70	0.82	0.88
68N	-0.17	-1.10	-1.96	-2.52	-2.68	-2.43	-2.13	-1.64	-0.61	-0.09	0.33	0.68	0.95	1.13	1.19	1.16	1.04	0.77
64N	0.25	-0.96	-1.95	-2.48	-2.51	-2.12	-1.41	-0.62	0.09	0.65	1.07	1.40	1.64	1.77	1.71	1.46	1.08	0.59
60N	0.04	-1.14	-1.94	-2.27	-2.14	-1.65	-0.87	-0.01	0.70	1.22	1.60	1.89	2.11	2.20	2.01	1.56	1.02	0.41
56N	-0.56	-1.41	-1.81	-1.86	-1.65	-1.18	-0.41	0.46	1.10	1.53	1.85	2.14	2.38	2.47	2.19	1.59	0.95	0.29
52N	-1.28	-1.58	-1.52	-1.36	-1.18	-0.40	-0.09	0.73	1.26	1.57	1.87	2.21	2.52	2.65	2.33	1.61	0.91	0.23
48N	-1.87	-1.48	-1.28	-0.97	-0.81	-0.49	0.15	0.85	1.25	1.45	1.75	2.15	2.72	2.72	2.39	1.63	0.86	0.15
44N	-2.29	-1.88	-1.27	-0.80	-0.53	-0.18	0.37	0.90	1.17	1.28	1.52	1.93	2.33	2.50	2.21	1.52	0.77	0.05
40N	-2.50	-2.05	-1.35	-0.77	-0.39	0.00	0.50	0.91	1.06	1.08	1.21	1.49	1.78	1.80	1.68	1.20	0.61	0.01
36N	-2.36	-1.98	-1.36	-0.83	-0.45	-0.05	0.47	0.88	0.96	0.88	0.84	0.90	0.90	0.87	0.87	0.63	0.30	-0.23
32N	-1.78	-1.56	-1.21	-0.94	-0.75	-0.36	0.27	0.81	0.91	0.70	0.45	0.30	0.18	0.07	-0.04	-0.13	-0.22	-0.22
28N	-0.96	-0.94	-0.97	-1.12	-1.21	-0.96	-0.62	0.78	0.97	0.64	0.25	0.00	-0.20	-0.47	-0.60	-0.75	-0.63	-0.63
24N	-0.25	-0.39	-0.71	-1.18	-1.54	-1.26	-0.22	0.86	1.13	0.71	0.28	0.08	-0.13	-0.41	-0.71	-1.04	-1.29	-0.98
20N	0.15	-0.01	-0.36	-0.94	-1.49	-1.35	-0.19	1.06	1.33	0.79	0.32	0.16	-0.03	-0.36	-0.75	-1.23	-1.48	-0.98
16N	0.25	0.23	0.09	-0.38	-1.03	-1.04	0.10	1.39	1.53	0.74	0.13	-0.03	-0.20	-0.51	-0.91	-1.36	-1.41	-0.60
12N	0.51	0.30	0.51	0.35	-0.23	-0.35	0.65	1.77	1.63	0.49	-0.39	-0.65	-0.73	-0.89	-1.14	-1.37	-1.11	-0.03
8N	-0.07	0.25	0.73	0.85	0.40	0.26	1.13	2.05	1.64	0.16	-1.03	-1.43	-1.42	-1.33	-1.23	-1.23	-0.77	0.33
4N	-0.14	0.14	0.59	0.84	0.58	0.41	0.94	1.63	1.39	0.29	-0.72	-1.20	-1.20	-1.20	-1.02	-0.92	-0.47	0.31
0	-0.02	0.08	0.28	0.52	0.50	0.26	0.17	0.43	0.83	0.99	0.79	0.33	-0.14	-0.40	-0.39	-0.20	0.04	0.12
4S	0.51	0.45	0.27	0.22	0.17	-0.17	-0.66	-0.62	0.41	1.76	2.31	1.81	0.96	0.33	0.12	0.28	0.60	-0.02
8S	1.88	1.89	1.27	0.36	-0.51	-0.96	-0.98	-0.57	0.60	2.07	2.59	1.92	0.91	0.21	-0.04	0.14	0.44	0.23
12S	3.45	3.70	2.69	0.61	-1.39	-1.85	-0.92	0.09	0.94	1.75	1.81	0.97	0.05	-0.51	-0.70	-0.41	0.23	0.65
16S	4.00	4.48	3.34	0.63	-1.94	-2.22	-0.69	0.48	0.86	1.07	0.89	0.12	-0.64	-1.03	-1.12	-0.90	0.01	0.86
20S	3.43	4.08	3.22	0.11	-1.38	-1.90	-0.19	0.77	0.56	0.28	0.04	-0.53	-1.04	-1.24	-1.24	-0.94	-0.14	0.94
24S	2.29	3.02	2.62	0.58	-1.31	-1.15	0.41	0.94	0.20	-0.43	-0.65	-0.96	-1.25	-1.28	-1.14	-0.87	-0.13	1.00
28S	1.26	1.95	1.90	0.56	-0.77	-0.43	0.81	0.96	-0.03	-0.82	-1.04	-1.12	-1.30	-1.21	-1.00	-0.49	0.02	1.00
32S	0.71	1.31	1.41	0.59	-0.24	0.05	0.87	0.81	-0.13	-0.90	-1.14	-1.20	-1.24	-1.14	-0.90	-0.52	0.18	1.09
36S	0.50	1.02	1.17	0.69	0.18	0.31	0.70	0.48	-0.30	-0.94	-1.13	-1.11	-1.10	-1.07	-0.98	-0.44	0.22	0.96
40S	0.51	0.92	1.06	0.80	0.42	0.32	0.34	0.00	-0.70	-1.20	-1.24	-1.03	-0.97	-0.96	-0.85	-0.43	0.18	0.77
44S	0.81	1.26	1.13	0.91	0.45	0.03	-0.23	-0.64	-1.27	-1.65	-1.47	-0.90	-0.71	-0.74	-0.72	-0.35	0.16	0.57
48S	1.35	1.45	1.42	1.09	0.31	-0.49	-0.96	-1.36	-1.89	-2.13	-1.69	-0.92	-0.44	-0.43	-0.30	-0.10	0.22	0.41
52S	1.74	1.81	1.76	1.30	0.21	-0.95	-1.57	-1.89	-2.26	-2.27	-1.57	-0.61	-0.02	0.00	0.14	0.28	0.34	0.25
56S	1.66	1.82	1.82	1.32	0.10	-1.25	-1.96	-2.20	-2.33	-2.00	-1.01	0.09	0.70	0.78	0.64	0.52	0.31	0.02
60S	1.21	1.43	1.47	0.99	-0.22	-1.56	-2.30	-2.47	-2.29	-1.55	-0.25	0.95	1.40	1.38	0.84	0.47	0.05	-0.31
64S	0.57	0.77	0.78	0.34	-0.70	-1.87	-2.56	-2.64	-2.18	-1.10	0.40	1.64	2.07	1.71	0.86	0.21	-0.35	-0.67
68S	-0.11	0.00	-0.03	-0.41	-1.19	-2.06	-2.61	-2.59	-1.96	-0.75	0.72	1.83	2.14	1.66	0.77	-0.09	-0.45	-0.80
72S	-0.75	-0.71	-0.95	-1.41	-1.91	-2.61	-2.21	-2.09	-1.52	-0.55	0.56	1.36	1.48	1.22	0.53	-0.14	-0.58	-0.74
76S	-1.20	-1.16	-1.16	-1.21	-1.36	-1.53	-1.59	-1.43	-1.04	-0.47	0.15	0.62	0.80	0.67	0.34	0.04	-0.18	-0.24
80S	-1.68	-1.55	-1.43	-1.34	-1.29	-1.23	-1.14	-0.95	-0.69	-0.41	-0.11	0.13	0.30	0.26	0.25	0.30	0.33	0.39
84S	-1.86	-1.72	-1.54	-1.36	-1.19	-1.02	-0.82	-0.60	-0.41	-0.23	-0.08	0.07	0.25	0.00	0.56	0.72	0.98	1.03
88S	-1.71	-1.54	-1.34	-1.13	-0.93	-0.73	-0.50	-0.27	-0.07	0.12	0.20	0.46	0.64	0.84	1.04	1.24	1.42	1.59

TABLE 5-18 JAN 800MB MERIDIONAL GEOSTROPHIC (M/SEC)

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
80N	2.03	2.24	2.44	2.63	2.76	2.86	2.97	3.01	2.99	2.90	2.78	2.63	2.44	2.23	2.01	1.73	1.47	1.08
84N	1.84	2.27	2.70	3.10	3.42	3.71	4.00	4.18	4.19	4.10	3.96	3.72	3.38	3.00	2.60	2.11	1.55	1.01
88N	1.62	2.11	2.62	3.10	3.51	3.90	4.28	4.52	4.59	4.55	4.43	4.18	3.78	3.30	2.76	2.16	1.49	0.84
92N	1.33	1.71	2.09	2.47	2.84	3.22	3.61	3.90	4.06	4.15	4.14	3.98	3.67	3.21	2.68	2.07	1.37	0.70
96N	0.94	1.03	1.11	1.21	1.41	1.70	2.06	2.40	2.70	2.97	3.17	3.26	3.16	2.84	2.40	1.80	1.08	0.42
100N	0.45	0.12	-0.21	-0.45	-0.50	-0.37	-0.07	0.33	0.79	1.27	1.73	2.13	2.35	2.37	2.23	1.94	1.51	0.94
104N	-0.05	-0.80	-1.53	-2.07	-2.37	-2.44	-2.23	-1.79	-1.20	-0.54	0.15	0.81	1.32	1.60	1.67	1.47	1.19	0.72
108N	-0.44	-1.54	-2.60	-3.38	-3.90	-4.15	-4.05	-3.62	-2.96	-2.18	-1.31	-0.46	0.21	0.60	0.81	1.00	1.40	1.64
112N	-0.69	-2.02	-3.34	-4.32	-4.99	-5.41	-5.45	-5.07	-4.37	-3.49	-2.51	-1.54	-0.62	-0.44	-0.14	0.41	1.22	1.89
116N	-0.82	-2.28	-3.76	-4.88	-5.66	-6.18	-6.35	-6.07	-5.34	-4.53	-3.24	-2.23	-1.51	-1.15	-0.81	0.11	0.95	2.02
120N	-0.86	-2.23	-3.68	-4.89	-5.78	-6.37	-6.66	-6.48	-5.69	-4.80	-3.27	-2.26	-1.57	-1.21	-0.88	-0.21	0.93	2.00
124N	-0.79	-1.82	-3.01	-4.23	-5.27	-5.97	-6.37	-6.28	-5.43	-4.05	-2.69	-1.70	-1.10	-0.70	-0.51	-0.01	0.79	1.81
128N	-0.55	-1.11	-1.90	-3.03	-4.18	-5.02	-5.53	-5.57	-4.74	-3.26	-1.83	-0.92	-0.49	-0.20	-0.12	0.14	0.67	1.44
132N	-0.18	-0.73	-0.52	-1.49	-2.70	-3.63	-4.24	-4.42	-3.72	-2.28	-0.88	-0.11	0.08	0.28	0.10	0.17	0.60	0.92
136N	0.14	0.73	0.83	0.07	-1.09	-2.03	-2.68	-2.90	-2.50	-1.75	0.00	0.57	0.75	0.27	0.09	-0.04	-0.05	0.27
140N	0.19	1.29	1.75	1.19	0.14	-0.72	-1.32	-1.67	-1.37	-0.34	0.72	1.07	0.75	0.27	-0.09	-0.41	-0.59	-0.41
144N	0.12	1.44	2.02	1.57	0.67	-0.08	-0.63	-0.95	-0.67	0.27	1.23	1.41	0.84	0.16	-0.33	-0.74	-0.98	-0.98
148N	0.26	1.44	1.78	1.30	0.58	-0.04	-0.55	-0.80	-0.41	0.60	1.53	1.56	0.77	-0.05	-0.54	-0.82	-1.10	-1.09
152N	0.67	1.42	1.22	0.60	0.09	-0.30	-0.71	-0.89	-0.37	0.75	1.62	1.44	0.47	-0.37	-0.71	-0.84	-0.96	-1.07
156N	1.12	1.30	0.54	-0.23	-0.45	-0.48	-0.72	-0.83	-0.28	0.74	1.32	0.91	-0.07	-0.73	-0.83	-0.72	-0.70	-0.73
160N	1.30	1.13	0.04	-0.81	-0.80	-0.47	-0.45	-0.49	-0.06	0.58	0.67	0.05	-0.71	-0.87	-0.80	-0.63	-0.53	-0.34
164N	0.91	0.73	-0.10	-0.72	-0.70	-0.38	-0.26	-0.23	0.04	0.32	0.73	-0.26	-0.64	-0.69	-0.64	-0.45	-0.30	-0.23
168N	0.04	-0.03	-0.04	-0.07	-0.15	-0.23	-0.29	-0.20	-0.05	-0.01	0.02	0.23	0.32	0.10	-0.12	-0.12	-0.12	-0.24
172N	-0.32	-0.61	0.10	0.63	0.46	0.05	-0.12	-0.24	-0.12	-0.34	-0.26	0.55	1.11	0.77	0.23	0.18	0.16	-0.35
176N	0.61	0.60	0.97	1.28	1.09	0.53	0.12	0.30	0.47	-0.37	-1.55	-1.53	-0.50	-0.03	0.07	0.24	0.30	-0.29
180N	1.27	1.42	1.66	1.78	1.39	0.59	0.04	0.43	1.04	0.37	-1.15	-1.66	-0.85	-0.24	0.08	0.24	0.33	-0.14
184N	1.68	1.94	2.17	2.07	1.33	0.16	-0.52	0.13	1.37	1.18	-0.19	-0.98	-0.63	-0.03	0.27	0.47	0.37	0.01
188N	1.89	2.27	2.38	2.05	0.96	-0.50	-1.22	-0.67	1.20	1.70	0.80	-0.03	-0.03	0.28	0.50	0.56	0.35	0.23
192N	1.93	2.28	2.26	1.73	0.50	-0.97	-1.63	-0.83	0.79	1.68	1.33	0.69	0.46	0.44	0.40	0.37	0.29	0.09
196N	1.77	1.98	1.82	1.25	0.20	-0.98	-1.53	-0.99	0.23	1.15	1.25	0.93	0.63	0.34	0.07	-0.09	0.07	0.23
200N	1.45	1.50	1.25	0.77	0.03	-0.77	-1.25	-1.08	-0.39	0.32	0.69	0.66	0.41	0.03	-0.18	-0.48	-0.07	0.46
204N	1.09	1.04	0.74	0.34	-0.13	-0.66	-1.08	-1.20	-1.03	-0.47	-0.25	-0.08	-0.20	-0.48	-0.75	-0.65	-0.02	0.74
208N	0.75	0.61	0.30	0.02	-0.27	-0.65	-1.00	-1.29	-1.59	-1.71	-1.45	-1.16	-1.00	-1.15	-1.13	-0.72	0.10	0.37
212N	0.40	0.16	-0.10	-0.22	-0.39	-0.69	-0.95	-1.32	-2.02	-2.62	-3.04	-2.77	-2.04	-1.68	-1.62	-0.84	0.04	0.93
216N	0.04	-0.28	-0.50	-0.49	-0.55	-0.75	-0.83	-1.23	-2.09	-2.90	-3.50	-2.44	-2.45	-2.34	-1.90	-1.13	-0.21	0.53
220N	-0.31	-0.66	-0.87	-0.81	-0.73	-0.72	-0.65	-0.84	-1.57	-2.30	-2.93	-2.44	-2.45	-2.42	-2.11	-1.19	-0.51	0.13
224N	-0.63	-0.95	-1.11	-0.99	-0.76	-0.49	-0.17	-0.02	-0.60	-1.19	-1.51	-1.74	-2.02	-2.17	-1.84	-1.24	-0.44	0.16
228N	-0.87	-1.05	-1.09	-0.89	-0.54	-0.08	0.44	0.71	0.47	-0.02	-0.48	-0.95	-1.40	-1.57	-1.30	-0.63	0.16	0.70
232N	-0.95	-0.93	-0.78	-0.49	-0.07	0.45	1.00	1.34	1.25	0.82	0.30	-0.22	-0.61	-0.63	-0.75	-0.43	0.10	0.37
236N	-0.70	-0.53	-0.26	0.10	0.51	0.93	1.34	1.59	1.54	1.24	0.85	0.54	0.20	0.52	0.83	1.50	1.97	1.55
240N	-0.14	0.08	0.38	0.74	1.09	1.38	1.64	1.80	1.79	1.65	1.51	1.44	1.44	1.41	1.80	2.19	2.34	2.17
244N	0.55	0.78	1.06	1.37	1.64	1.89	2.12	2.26	2.29	2.25	2.31	2.33	2.37	2.42	2.42	2.42	2.41	2.30
248N	1.22	1.44	1.67	1.91	2.12	2.33	2.55	2.69	2.75	2.80	2.88	2.92	2.90	2.84	2.77	2.67	2.37	2.05
252N	1.76	1.94	2.11	2.26	2.37	2.48	2.61	2.70	2.73	2.75	2.74	2.76	2.70	2.64	2.44	2.26	2.05	1.84

TABLE 5-20 JAN 400M8 GEOPOTENTIAL HEIGHT (100M)

	90M	85M	80M	75M	70M	65M	60M	55M	50M	45M	40M	35M	30M	25M	20M	15M	10M	5M
90N	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
86N	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
82N	65.3	65.3	65.3	65.3	65.5	65.5	65.6	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.9	65.9	65.9	65.9
78N	65.2	65.2	65.3	65.3	65.5	65.7	65.8	65.9	66.0	66.1	66.2	66.4	66.4	66.5	66.5	66.5	66.5	66.5
74N	65.2	65.2	65.2	65.3	65.5	65.8	66.0	66.1	66.3	66.4	66.7	66.8	66.8	66.9	67.0	67.0	67.0	67.0
70N	65.2	65.2	65.2	65.3	65.5	65.8	66.0	66.2	66.5	66.8	67.0	67.2	67.3	67.4	67.5	67.5	67.5	67.5
66N	65.3	65.3	65.4	65.4	65.4	65.8	66.1	66.4	66.6	67.0	67.2	67.5	67.7	67.8	67.9	68.0	68.1	68.2
62N	65.7	65.6	65.6	65.7	65.8	66.1	66.4	66.7	66.9	67.1	67.4	67.7	68.1	68.2	68.5	68.7	68.9	69.2
58N	66.4	66.3	66.3	66.2	66.3	66.5	66.8	67.1	67.4	67.6	67.9	68.4	68.7	69.0	69.3	69.5	69.6	69.7
54N	67.2	67.2	67.0	67.0	67.0	67.2	67.4	67.7	68.1	68.5	68.9	69.2	69.6	70.0	70.2	70.3	70.4	70.4
50N	68.2	68.0	67.7	67.6	67.6	68.1	68.4	68.6	69.1	69.5	70.0	70.3	70.7	71.0	71.1	71.2	71.3	71.1
46N	69.3	69.0	68.8	68.9	68.9	69.1	69.4	69.8	70.1	70.6	71.0	71.3	71.5	71.7	71.8	71.9	71.8	71.7
42N	70.5	70.3	70.3	70.3	70.3	70.5	70.7	71.0	71.4	71.7	71.9	72.1	72.2	72.3	72.4	72.4	72.2	72.1
38N	71.7	71.7	71.7	71.7	71.8	72.0	72.1	72.3	72.5	72.7	72.8	72.8	72.9	73.0	73.0	72.9	72.7	72.5
34N	72.8	72.9	72.9	73.0	73.2	73.3	73.3	73.4	73.6	73.6	73.6	73.6	73.6	73.5	73.4	73.4	73.2	73.1
30N	73.9	74.0	74.0	74.1	74.2	74.4	74.4	74.5	74.5	74.4	74.3	74.2	74.1	74.1	74.0	73.9	73.7	73.7
26N	74.7	74.8	74.9	75.0	75.0	75.1	75.1	75.1	75.0	75.0	74.9	74.9	74.8	74.5	74.4	74.2	74.2	74.2
22N	75.2	75.3	75.3	75.4	75.4	75.5	75.5	75.5	75.4	75.3	75.2	75.2	75.1	74.9	74.7	74.5	74.6	74.7
18N	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.6	75.5	75.4	75.4	75.3	75.2	75.0	74.9	74.9	75.0
14N	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.7	75.6	75.5	75.4	75.4	75.4	75.3	75.2	75.2	75.3
10N	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.6	75.6	75.6	75.5	75.5	75.4	75.4	75.3	75.4	75.4
6N	75.7	75.7	75.7	75.6	75.6	75.6	75.5	75.5	75.5	75.5	75.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2N	75.7	75.7	75.7	75.6	75.5	75.5	75.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2S	75.7	75.7	75.7	75.6	75.6	75.6	75.6	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5
6S	75.8	75.8	75.8	75.7	75.8	75.7	75.7	75.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6
10S	75.8	75.8	75.8	75.8	75.9	75.9	75.8	75.7	75.7	75.7	75.7	75.6	75.6	75.6	75.7	75.7	75.7	75.7
14S	75.8	75.8	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.8	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.9
18S	75.9	75.8	75.8	75.7	75.8	75.8	75.8	75.8	75.9	75.8	75.8	75.8	75.7	75.7	75.8	75.8	75.8	75.9
22S	75.8	75.7	75.7	75.7	75.7	75.7	75.7	75.6	75.7	75.7	75.8	75.8	75.7	75.7	75.7	75.8	75.8	75.8
26S	75.5	75.5	75.6	75.5	75.5	75.5	75.4	75.4	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.7	75.7	75.7
30S	75.2	75.2	75.2	75.2	75.2	75.3	75.1	74.9	74.9	75.0	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3
34S	74.6	74.6	74.6	74.6	74.6	74.6	74.5	74.4	74.4	74.4	74.4	74.4	74.5	74.6	74.6	74.7	74.7	74.7
38S	74.0	74.0	74.0	74.0	74.0	73.8	73.8	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.9	73.9	73.9
42S	73.3	73.3	73.2	73.2	73.2	73.0	72.8	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8
46S	72.4	72.4	72.4	72.4	72.2	72.0	71.8	71.7	71.5	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
50S	71.5	71.5	71.4	71.2	71.1	70.9	70.7	70.4	70.2	70.0	69.8	69.8	69.8	69.8	69.9	69.9	69.8	69.8
54S	70.3	70.3	70.2	70.2	70.0	69.8	69.7	69.5	69.3	69.1	69.0	68.9	68.9	68.8	68.7	68.7	68.7	68.7
58S	69.2	69.2	69.2	69.2	69.0	68.8	68.7	68.6	68.4	68.3	68.3	68.2	68.2	68.1	67.9	67.8	67.8	67.8
62S	68.3	68.3	68.3	68.3	68.2	68.2	68.2	68.1	68.1	68.0	67.9	67.8	67.6	67.5	67.4	67.3	67.2	67.1
66S	67.7	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.5	67.5	67.4	67.3	67.2	67.1	67.1	66.9	66.8	66.8
70S	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.0	67.0	66.9	66.9	66.9
74S	66.8	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.7	66.8	66.8	66.8	66.8	66.8
78S	66.5	66.4	66.4	66.4	66.4	66.3	66.4	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.6	66.6	66.6	66.6
82S	66.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3
86S	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
90S	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.8	65.8

TABLE 5-20 JAN 400MB GEOPOTENTIAL HEIGHT (10CM)

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
86N	65.2	65.1	65.1	65.0	64.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
82N	65.9	65.8	65.7	65.6	65.5	65.4	65.3	65.1	65.0	65.0	64.8	64.6	64.5	64.5	64.5	64.5	64.5	64.5
78N	66.5	66.4	66.4	66.3	66.2	66.1	66.0	65.9	65.7	65.6	65.5	65.2	65.1	65.1	65.0	64.9	64.9	64.8
74N	67.0	66.9	66.8	66.7	66.6	66.5	66.4	66.3	66.2	66.1	66.0	65.8	65.6	65.5	65.4	65.3	65.2	65.1
70N	67.5	67.4	67.3	67.2	67.1	67.0	66.9	66.8	66.7	66.6	66.5	66.4	66.3	66.2	66.1	66.0	65.9	65.8
66N	68.2	68.1	68.0	67.9	67.8	67.7	67.6	67.5	67.4	67.3	67.2	67.1	67.0	66.9	66.8	66.7	66.6	66.5
62N	68.9	68.8	68.7	68.6	68.5	68.4	68.3	68.2	68.1	68.0	67.9	67.8	67.7	67.6	67.5	67.4	67.3	67.2
58N	69.6	69.5	69.4	69.3	69.2	69.1	69.0	68.9	68.8	68.7	68.6	68.5	68.4	68.3	68.2	68.1	68.0	67.9
54N	70.3	70.2	70.1	70.0	69.9	69.8	69.7	69.6	69.5	69.4	69.3	69.2	69.1	69.0	68.9	68.8	68.7	68.6
50N	70.9	70.8	70.7	70.6	70.5	70.4	70.3	70.2	70.1	70.0	69.9	69.8	69.7	69.6	69.5	69.4	69.3	69.2
46N	71.3	71.2	71.1	71.0	70.9	70.8	70.7	70.6	70.5	70.4	70.3	70.2	70.1	70.0	69.9	69.8	69.7	69.6
42N	71.8	71.7	71.6	71.5	71.4	71.3	71.2	71.1	71.0	70.9	70.8	70.7	70.6	70.5	70.4	70.3	70.2	70.1
38N	72.4	72.3	72.2	72.1	72.0	71.9	71.8	71.7	71.6	71.5	71.4	71.3	71.2	71.1	71.0	70.9	70.8	70.7
34N	73.0	72.9	72.8	72.7	72.6	72.5	72.4	72.3	72.2	72.1	72.0	71.9	71.8	71.7	71.6	71.5	71.4	71.3
30N	73.6	73.5	73.4	73.3	73.2	73.1	73.0	72.9	72.8	72.7	72.6	72.5	72.4	72.3	72.2	72.1	72.0	71.9
26N	74.2	74.1	74.0	73.9	73.8	73.7	73.6	73.5	73.4	73.3	73.2	73.1	73.0	72.9	72.8	72.7	72.6	72.5
22N	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0	73.9	73.8	73.7	73.6	73.5	73.4	73.3	73.2	73.1	73.0
18N	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0	73.9	73.8	73.7	73.6	73.5	73.4
14N	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0	73.9	73.8	73.7
10N	75.6	75.5	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0	73.9
6N	75.8	75.7	75.6	75.5	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1
2N	75.9	75.8	75.7	75.6	75.5	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2
2S	75.5	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0	73.9	73.8
6S	75.6	75.5	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0	73.9
10S	75.7	75.6	75.5	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0
14S	75.8	75.7	75.6	75.5	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1
18S	75.9	75.8	75.7	75.6	75.5	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2
22S	75.8	75.7	75.6	75.5	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1
26S	75.7	75.6	75.5	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0
30S	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0	73.9	73.8	73.7
34S	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0	73.9	73.8	73.7	73.6	73.5	73.4	73.3	73.2	73.1	73.0
38S	73.9	73.8	73.7	73.6	73.5	73.4	73.3	73.2	73.1	73.0	72.9	72.8	72.7	72.6	72.5	72.4	72.3	72.2
42S	72.8	72.7	72.6	72.5	72.4	72.3	72.2	72.1	72.0	71.9	71.8	71.7	71.6	71.5	71.4	71.3	71.2	71.1
46S	71.3	71.2	71.1	71.0	70.9	70.8	70.7	70.6	70.5	70.4	70.3	70.2	70.1	70.0	69.9	69.8	69.7	69.6
50S	69.8	69.7	69.6	69.5	69.4	69.3	69.2	69.1	69.0	68.9	68.8	68.7	68.6	68.5	68.4	68.3	68.2	68.1
54S	68.6	68.5	68.4	68.3	68.2	68.1	68.0	67.9	67.8	67.7	67.6	67.5	67.4	67.3	67.2	67.1	67.0	66.9
58S	67.7	67.6	67.5	67.4	67.3	67.2	67.1	67.0	66.9	66.8	66.7	66.6	66.5	66.4	66.3	66.2	66.1	66.0
62S	67.1	67.0	66.9	66.8	66.7	66.6	66.5	66.4	66.3	66.2	66.1	66.0	65.9	65.8	65.7	65.6	65.5	65.4
66S	66.8	66.7	66.6	66.5	66.4	66.3	66.2	66.1	66.0	65.9	65.8	65.7	65.6	65.5	65.4	65.3	65.2	65.1
70S	66.8	66.7	66.6	66.5	66.4	66.3	66.2	66.1	66.0	65.9	65.8	65.7	65.6	65.5	65.4	65.3	65.2	65.1
74S	66.7	66.6	66.5	66.4	66.3	66.2	66.1	66.0	65.9	65.8	65.7	65.6	65.5	65.4	65.3	65.2	65.1	65.0
78S	66.6	66.5	66.4	66.3	66.2	66.1	66.0	65.9	65.8	65.7	65.6	65.5	65.4	65.3	65.2	65.1	65.0	64.9
82S	66.3	66.2	66.1	66.0	65.9	65.8	65.7	65.6	65.5	65.4	65.3	65.2	65.1	65.0	64.9	64.8	64.7	64.6
86S	66.0	65.9	65.8	65.7	65.6	65.5	65.4	65.3	65.2	65.1	65.0	64.9	64.8	64.7	64.6	64.5	64.4	64.3
90S	65.8	65.7	65.6	65.5	65.4	65.3	65.2	65.1	65.0	64.9	64.8	64.7	64.6	64.5	64.4	64.3	64.2	64.1

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
86N	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
82N	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
78N	64.8	64.7	64.7	64.7	64.8	65.1	65.4	65.6	65.8	65.9	66.1	66.2	66.2	66.3	66.3	66.3	66.4	66.4
74N	65.4	65.3	65.3	65.3	65.3	65.5	65.8	66.1	66.2	66.2	66.3	66.4	66.4	66.6	66.6	66.7	66.8	66.8
70N	65.9	65.9	65.8	65.8	65.6	65.8	65.9	66.1	66.1	66.2	66.3	66.4	66.6	66.7	66.9	67.0	67.1	67.3
66N	66.6	66.5	66.3	66.1	66.0	66.0	65.9	65.9	65.9	66.0	66.1	66.2	66.5	66.6	66.9	67.0	67.3	67.5
62N	67.4	67.3	67.0	66.7	66.5	66.3	66.1	65.9	65.8	65.8	66.0	66.1	66.3	66.5	66.8	67.0	67.3	67.4
58N	68.2	68.0	67.8	67.4	67.1	66.7	66.4	66.2	65.9	65.9	65.9	66.0	66.2	66.4	66.8	67.0	67.2	67.4
54N	68.9	68.7	68.4	68.1	67.6	67.1	66.8	66.4	66.1	66.1	65.9	66.0	66.2	66.5	66.8	66.9	67.1	67.4
50N	69.8	69.5	69.1	68.8	68.3	67.8	67.3	66.9	66.6	66.5	66.2	66.3	66.5	66.7	67.0	67.0	67.2	67.5
46N	70.5	70.4	70.0	69.5	69.1	68.6	68.0	67.5	67.1	67.0	66.9	66.9	67.0	67.2	67.4	67.4	67.8	68.2
42N	71.3	71.1	70.8	70.5	70.0	69.4	69.0	68.5	68.2	68.0	67.9	67.9	68.0	68.2	68.4	68.6	69.0	69.3
38N	72.0	71.8	71.6	71.4	71.0	70.6	70.1	69.8	69.6	69.5	69.5	69.6	69.7	69.9	70.2	70.4	70.6	70.7
34N	72.7	72.6	72.4	72.2	72.0	71.8	71.5	71.3	71.1	71.2	71.4	71.6	71.7	71.9	72.2	72.3	72.4	72.3
30N	73.5	73.3	73.2	73.2	73.1	73.1	73.0	72.8	72.7	72.9	73.1	73.2	73.5	73.6	73.7	73.7	73.6	73.6
26N	74.2	74.1	74.0	74.1	74.1	74.1	74.0	73.9	73.9	74.0	74.1	74.3	74.5	74.7	74.8	74.8	74.7	74.6
22N	75.0	74.9	74.9	75.0	75.0	75.0	74.9	74.9	74.9	75.0	75.0	75.2	75.4	75.5	75.4	75.4	75.4	75.3
18N	75.5	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.7	75.8	75.9	75.8	75.7	75.7	75.6
14N	75.7	75.6	75.6	75.7	75.8	75.8	75.7	75.7	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.8	75.8	75.7
10N	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.8	75.8	75.7
6N	75.6	75.5	75.5	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.7	75.7	75.7	75.6
2N	75.5	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.6	75.6	75.6	75.5
2S	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.5
6S	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.5
10S	75.5	75.4	75.4	75.4	75.3	75.4	75.4	75.4	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.7	75.7	75.8
14S	75.6	75.6	75.5	75.5	75.4	75.4	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8
18S	75.7	75.7	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.6	75.6	75.6	75.7
22S	75.7	75.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.6	75.6	75.6	75.6
26S	75.5	75.5	75.4	75.3	75.3	75.3	75.5	75.6	75.7	75.7	75.8	75.9	75.9	75.9	75.8	75.7	75.7	75.6
30S	75.2	75.2	75.1	75.1	75.0	75.0	75.2	75.3	75.2	75.0	74.8	74.9	74.8	74.8	74.8	74.9	74.9	74.9
34S	74.7	74.7	74.7	74.6	74.6	74.6	74.6	74.8	74.7	74.6	74.5	74.4	74.3	74.3	74.3	74.4	74.5	74.5
38S	74.0	73.9	74.0	73.9	73.8	73.8	73.9	74.1	74.1	74.0	74.0	73.9	73.9	73.9	74.0	74.0	74.1	74.1
42S	73.0	72.9	72.9	72.8	72.8	72.8	72.9	73.1	73.2	73.1	73.2	73.1	73.2	73.2	73.3	73.4	73.5	73.5
46S	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.9	72.0	72.0	72.1	72.0	72.0	72.3	72.4	72.4	72.7	72.7
50S	70.1	70.1	70.1	70.1	70.2	70.3	70.3	70.4	70.5	70.7	70.7	70.9	71.0	71.2	71.5	71.5	71.6	71.7
54S	68.7	68.7	68.6	68.6	68.7	68.8	68.9	69.0	69.2	69.2	69.3	69.5	69.6	69.9	70.1	70.2	70.4	70.5
58S	67.6	67.6	67.6	67.6	67.7	67.7	67.8	67.9	68.0	68.1	68.2	68.5	68.5	68.8	69.0	69.0	69.2	69.2
62S	67.0	67.0	67.0	67.0	67.1	67.1	67.2	67.2	67.3	67.4	67.5	67.7	67.7	67.9	68.0	68.0	68.1	68.2
66S	66.9	67.0	67.0	67.0	67.0	66.9	66.9	66.8	66.9	66.9	67.0	67.1	67.1	67.2	67.2	67.3	67.3	67.4
70S	67.0	67.1	67.1	67.0	67.0	66.9	66.8	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.9	66.8	66.9
74S	66.8	66.6	66.6	66.6	66.5	66.5	66.5	66.4	66.4	66.4	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.5
78S	66.4	66.3	66.3	66.2	66.2	66.1	66.1	66.0	66.1	66.1	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.2
82S	66.0	66.0	66.0	66.0	66.0	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0
86S	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	65.9	65.9
90S	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	66.0	66.0	65.8	65.8

[illegible]

TABLE 5-21 (DJF) 400MB ZONAL WIND (M/SEC)-N/HEM

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N*****																		
84N -0.71	-0.58	0.58	1.74	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.33	2.51	2.57	2.57	2.57	2.57	2.83	3.35
80N -0.45	-0.32	0.32	1.93	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.90	3.54	4.05	4.44	4.70	4.83	5.15	5.66
76N -0.19	-0.06	0.0	0.13	0.39	0.39	0.39	0.39	0.39	0.39	0.39	3.73	5.02	5.92	6.44	6.82	7.08	7.40	7.79
72N 1.09	0.51	0.51	0.84	1.48	1.48	1.48	1.48	1.48	1.48	1.48	4.57	5.98	7.14	8.04	8.60	9.07	9.33	9.46
68N 4.44	3.54	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	5.92	7.46	8.75	9.78	10.62	11.26	11.52	11.39
64N 8.30	7.40	6.89	6.76	6.76	6.76	6.89	6.95	6.95	7.21	7.72	8.69	10.10	11.33	12.36	13.19	13.84	13.84	13.19
60N 11.58	11.07	10.75	10.62	10.62	10.62	10.75	10.88	11.00	11.45	12.23	13.19	14.35	15.25	15.89	16.15	16.02	15.38	14.22
56N 14.93	14.41	14.35	14.74	14.74	14.74	15.12	15.38	15.77	16.47	17.50	18.28	18.79	18.98	18.85	18.21	17.05	15.70	14.16
52N 18.66	18.40	18.47	18.85	19.18	19.43	19.88	20.53	21.11	21.62	21.62	21.62	21.11	20.46	19.68	18.47	16.80	15.06	13.26
48N 22.91	23.94	24.26	23.87	23.68	23.68	23.87	24.26	24.26	24.00	23.10	21.94	20.53	19.18	17.89	16.28	14.35	12.68	11.26
44N 26.90	28.70	29.15	28.25	27.41	26.64	25.87	25.10	23.55	21.24	19.11	17.18	15.38	13.71	12.16	10.75	9.65	8.65	8.88
40N 29.02	30.44	30.57	29.41	27.93	26.13	24.26	22.33	19.95	17.12	14.80	13.00	11.45	10.17	9.33	8.94	8.82	8.94	8.94
36N 28.76	29.15	28.57	27.03	25.10	22.78	20.53	18.34	15.89	13.19	11.20	9.91	9.14	8.88	8.88	8.88	8.88	8.88	8.88
32N 25.74	25.23	24.90	22.07	20.08	18.02	16.09	14.29	12.29	10.10	8.75	8.24	8.24	8.24	8.24	8.24	8.24	8.24	8.24
28N 19.76	19.11	17.95	16.28	14.67	13.13	11.65	10.23	8.75	7.21	6.76	7.40	8.37	9.65	11.58	14.15	17.18	20.63	24.63
24N 12.74	11.97	11.26	10.62	9.85	8.94	7.98	6.95	5.98	5.08	5.41	6.05	6.95	8.88	11.70	15.90	19.50	21.43	21.43
20N 6.18	5.66	5.66	6.18	6.31	6.05	5.53	4.76	4.12	3.60	4.25	6.05	6.05	8.40	11.58	14.22	16.41	17.63	17.89
16N 1.74	2.12	2.70	3.47	3.99	4.25	4.05	3.41	2.90	2.51	3.15	4.83	7.01	9.72	13.38	17.84	23.38	30.58	39.42
12N -0.39	0.39	1.16	1.93	2.51	2.90	2.83	2.32	1.93	1.67	2.12	3.28	4.70	6.37	8.37	10.72	13.41	16.43	20.00
8N -1.54	-0.51	0.32	0.97	1.42	1.67	1.54	1.03	0.58	0.71	0.58	0.71	1.09	1.61	2.25	2.70	2.96	2.77	2.12
4N*****	0.32	0.32	0.45	0.51	0.51	0.39	0.13						-0.64	-0.90	-1.16	-1.48	-1.48	-1.35
0 *****																		
4S*****																		
8S*****																		
12S*****																		
16S*****																		
20S*****																		
24S*****																		
28S*****																		
32S*****																		
36S*****																		
40S*****																		
44S*****																		
48S*****																		
52S*****																		
56S*****																		
60S*****																		
64S*****																		
68S*****																		
72S*****																		
76S*****																		
80S*****																		
84S*****																		
88S*****																		

TABLE 5-21 (DJF) 4COMB ZONAL WIND (M/SEC)-N/HEM

[illegible]

TABLE 5-22 (DJF) 400MB MERIDIONAL WIND (M/SEC) -4/MEM

[illegible]

TABLE 5-22 (DJF) 400MB MERIDIONAL WIND (M/SEC)-N/NEW

[illegible]

TABLE 5-23 JAN 400MP ZONAL GEOSTROPHIC (M/SEC)

	177.5W	172.5W	167.5W	162.5W	157.5W	152.5W	147.5W	142.5W	137.5W	132.5W	127.5W	122.5W	117.5W	112.5W	107.5W	102.5W	97.5W	92.5W
43N	3.22	3.39	3.49	3.56	3.63	3.65	3.65	3.61	3.54	3.44	3.31	3.18	3.04	2.91	2.78	2.69	2.62	2.59
44N	7.40	7.40	7.32	7.17	6.94	6.70	6.35	5.95	5.47	4.93	4.22	3.71	3.11	2.52	1.98	1.54	1.24	1.07
45N	9.10	9.12	9.08	8.95	8.76	8.49	8.09	7.61	7.02	6.33	5.51	4.63	3.70	2.74	1.81	1.08	0.31	-0.14
46N	8.60	8.83	3.97	9.04	9.05	8.97	8.79	8.52	8.12	7.56	6.85	5.98	4.97	3.83	2.66	1.52	0.52	-0.28
47N	6.67	7.17	7.60	7.60	8.22	8.49	8.70	8.87	8.81	8.63	8.25	7.66	6.84	5.81	4.62	3.36	2.14	1.09
48N	4.04	4.83	5.50	6.15	6.86	7.59	8.28	8.86	9.29	9.53	9.57	9.36	8.91	8.22	7.30	6.23	5.09	4.20
49N	1.50	2.48	3.47	4.54	5.74	6.97	8.10	9.27	9.85	10.49	10.91	11.06	10.90	10.70	10.21	9.69	9.09	7.78
50N	-0.13	1.06	2.40	3.95	5.62	7.20	8.57	9.74	10.79	11.76	12.53	13.00	13.25	13.30	13.15	12.78	12.20	11.50
51N	0.43	1.74	3.32	5.14	6.97	8.58	9.91	11.09	12.24	13.43	14.45	15.18	15.67	15.95	15.96	15.73	15.32	14.82
52N	4.54	5.68	7.10	8.69	10.09	11.24	12.23	13.24	14.24	15.49	16.54	17.37	17.89	18.33	18.30	18.21	17.96	17.76
53N	13.28	13.52	13.95	14.39	14.63	14.84	15.25	15.92	16.68	17.41	18.07	18.66	19.20	19.50	19.84	20.05	20.30	20.96
54N	23.97	22.69	21.52	20.32	19.13	18.27	17.95	18.02	18.14	18.18	18.24	18.45	18.86	19.44	20.22	21.32	22.78	24.53
55N	32.18	29.51	26.97	24.49	22.28	20.62	19.55	18.82	18.17	17.61	17.29	17.35	17.83	18.77	20.25	22.34	24.90	27.62
56N	35.95	32.58	29.33	26.27	23.68	21.63	19.95	18.47	17.22	16.37	16.06	16.33	17.12	18.50	20.56	23.28	26.40	29.60
57N	35.00	31.85	28.69	25.77	23.32	21.25	19.31	17.51	16.12	15.42	15.47	16.18	17.41	19.15	21.40	24.05	26.80	29.17
58N	30.52	28.34	25.89	23.57	21.56	19.77	18.11	16.68	15.73	15.46	15.85	16.79	18.14	19.82	21.68	23.60	25.00	25.98
59N	24.00	23.15	21.84	20.48	19.17	17.91	16.86	16.14	15.79	15.82	16.19	15.87	17.84	18.95	20.00	20.65	20.70	20.21
60N	16.33	16.87	17.00	16.89	16.51	15.94	15.49	15.34	15.34	15.35	15.38	15.57	15.54	16.34	16.54	16.23	15.22	13.70
61N	8.41	10.05	11.49	12.56	13.09	13.18	13.21	13.41	13.56	13.43	13.09	12.78	12.62	12.44	12.06	11.24	9.82	7.95
62N	1.64	3.55	5.40	6.89	7.83	8.32	8.63	9.10	9.41	9.31	8.83	8.30	7.80	7.56	7.15	6.46	5.36	3.96
63N	-1.97	-0.55	0.75	1.77	2.57	3.25	3.88	4.56	5.17	5.30	4.88	4.32	3.84	3.81	3.76	3.49	2.92	2.27
64N	-3.37	-2.50	-1.83	-1.34	-0.76	-0.03	0.80	1.73	2.57	2.83	2.44	1.87	1.58	1.63	1.80	1.72	1.40	1.21
65N	-4.48	-3.96	-3.60	-3.30	-2.84	-2.19	-1.32	-0.28	0.59	0.60	0.36	-0.20	-0.44	-0.35	-0.21	-0.31	-0.54	-0.50
66N	-4.60	-4.27	-4.02	-3.78	-3.39	-2.84	-2.07	-1.09	-0.34	-0.27	-0.78	-1.37	-1.61	-1.56	-1.50	-1.63	-1.77	-1.62
67N	-2.55	-2.19	-1.92	-1.69	-1.35	-0.88	-0.35	0.24	0.67	0.59	0.02	-0.64	-1.00	-1.01	-0.92	-0.96	-0.78	-0.55
68N	2.31	2.56	2.70	2.71	2.79	2.93	3.03	3.09	3.15	3.01	2.51	1.83	1.32	1.15	1.27	1.37	1.49	1.60
69N	7.51	7.41	7.20	6.36	6.53	6.25	5.95	5.67	5.44	5.44	5.10	4.53	3.84	3.56	3.43	3.24	3.08	3.08
70N	10.60	10.21	9.81	9.34	8.84	8.42	8.02	7.67	7.50	7.44	7.24	6.83	6.30	5.81	5.47	5.20	4.93	4.71
71N	11.78	11.30	10.93	10.60	10.25	9.93	9.66	9.44	9.34	9.32	9.25	9.06	8.74	8.31	7.90	7.59	7.37	7.30
72N	11.83	11.49	11.32	11.30	11.25	11.17	11.14	11.16	11.24	11.36	11.48	11.58	11.58	11.30	11.12	10.92	10.88	11.00
73N	11.52	11.45	11.55	11.84	12.09	12.27	12.49	12.79	13.15	13.51	13.87	14.25	14.54	14.61	14.52	14.42	14.44	14.53
74N	11.66	11.83	12.17	12.69	13.17	13.58	14.00	14.51	15.05	15.55	16.04	16.52	16.91	17.00	17.00	16.95	16.87	16.79
75N	13.22	13.49	13.91	14.48	15.05	15.56	16.04	16.52	16.99	17.42	17.84	18.24	18.55	18.74	18.78	18.69	18.51	18.34
76N	16.51	16.68	16.96	17.32	17.71	18.09	18.40	18.64	18.84	19.04	19.26	19.48	19.67	19.86	20.02	20.08	19.97	19.83
77N	20.99	20.90	20.80	20.69	20.61	20.60	20.57	20.47	20.34	20.27	20.27	20.30	20.42	20.67	20.90	21.25	21.30	21.26
78N	23.86	23.52	23.06	22.54	22.05	21.69	21.39	21.06	20.73	20.47	20.30	20.22	20.30	20.57	20.92	21.22	21.34	21.34
79N	22.78	22.37	21.84	21.27	20.75	20.35	20.02	19.64	19.29	18.95	18.69	18.58	18.62	18.80	19.02	19.19	19.25	19.22
80N	18.60	18.31	17.94	17.57	17.25	17.00	16.75	16.46	16.17	15.86	15.60	15.49	15.47	15.53	15.60	15.64	15.66	15.64
81N	13.21	13.13	13.00	12.85	12.72	12.59	12.46	12.29	12.09	11.90	11.73	11.59	11.52	11.48	11.43	11.42	11.45	11.49
82N	8.64	8.67	8.64	8.58	8.50	8.39	8.30	8.22	8.14	8.06	7.96	7.87	7.75	7.61	7.51	7.50	7.58	7.68
83N	6.20	6.19	6.13	6.03	5.90	5.77	5.69	5.66	5.66	5.66	5.64	5.59	5.47	5.31	5.20	5.19	5.25	5.33
84N	4.88	4.86	4.81	4.72	4.63	4.57	4.55	4.60	4.66	4.74	4.80	4.82	4.77	4.68	4.61	4.59	4.57	4.58
85N	3.28	3.35	3.40	3.43	3.47	3.55	3.66	3.80	3.95	4.10	4.25	4.35	4.40	4.40	4.30	4.37	4.32	4.28
86N	1.36	1.50	1.65	1.80	1.95	2.12	2.30	2.51	2.73	2.91	3.08	3.23	3.35	3.44	3.50	3.48	3.47	3.47
87N	-0.51	-0.41	-0.28	-0.14	-0.02	0.13	0.27	0.43	0.61	0.75	0.88	1.03	1.18	1.30	1.47	1.55	1.62	1.62

TABLE 2-25 JAN 400MB ZONAL GEOSTROPHIC (M/SEC)

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	2.58	2.63	2.72	2.82	2.93	3.07	3.21	3.32	3.43	3.51	3.55	3.55	3.55	3.49	3.41	3.27	3.10	2.88
84N	1.05	1.21	1.52	1.95	2.49	3.13	3.81	4.46	5.10	5.69	6.20	6.63	6.95	7.17	7.27	7.27	7.27	7.02
80N	-0.34	-0.25	0.11	0.69	1.46	2.39	3.40	4.39	5.34	6.22	7.00	7.69	8.24	8.65	8.92	9.07	9.12	9.07
76N	-0.78	-0.90	-0.70	-0.23	0.52	1.46	2.51	3.55	4.56	5.51	6.39	7.18	7.85	8.40	8.82	9.12	9.30	9.37
72N	0.28	-0.18	-0.32	-0.19	0.25	1.02	1.73	2.59	3.47	4.34	5.21	6.06	6.84	7.53	8.15	8.52	8.96	9.18
68N	3.04	2.28	1.74	1.42	1.38	1.59	2.04	2.66	3.40	4.21	5.08	5.99	6.88	7.69	8.43	9.03	9.48	9.77
64N	6.86	5.97	5.14	4.50	4.08	3.96	4.18	4.70	5.42	6.26	7.17	8.06	8.91	9.64	10.22	10.70	11.02	11.13
60N	10.72	9.84	8.97	8.28	7.86	7.76	8.02	8.60	9.38	10.23	11.07	11.78	12.31	12.64	12.77	12.60	12.71	12.35
56N	14.23	13.56	12.94	12.52	12.42	12.63	13.09	13.74	14.46	15.13	15.65	15.92	15.89	15.58	15.07	14.46	13.74	12.79
52N	17.57	17.39	17.30	17.38	17.74	18.25	18.76	19.22	19.54	19.66	19.51	19.05	18.29	17.28	16.10	14.82	13.46	12.08
48N	21.65	22.36	23.01	23.55	24.03	24.32	24.32	24.01	23.39	22.48	21.33	19.93	18.47	16.87	15.41	13.76	12.15	10.84
44N	26.35	28.02	29.30	30.03	30.17	29.72	28.75	27.31	25.51	23.43	21.22	19.11	17.22	15.60	14.11	12.63	11.40	10.75
40N	30.16	32.29	33.74	34.34	33.98	32.77	30.87	28.48	25.80	22.97	20.23	17.82	15.87	14.42	13.35	12.54	12.22	12.59
36N	31.91	33.76	34.84	35.03	34.19	32.42	29.97	27.13	24.15	21.26	18.65	16.44	14.70	13.60	13.19	13.42	14.32	15.84
32N	30.85	31.79	32.09	31.70	30.48	28.51	26.04	23.40	20.85	18.59	16.72	15.14	13.83	13.13	13.41	14.71	16.81	19.33
28N	26.39	26.34	25.96	25.18	23.89	22.21	20.33	18.51	16.94	15.71	14.83	14.10	13.45	13.24	14.02	15.89	18.45	21.23
24N	19.46	18.75	18.10	17.35	16.43	15.45	14.53	13.77	13.25	13.01	13.01	13.19	13.45	13.05	15.01	16.69	18.64	20.61
20N	12.19	11.06	10.31	9.77	9.40	9.21	9.18	9.30	9.61	10.12	10.83	11.82	13.05	14.33	15.50	16.50	17.20	17.72
16N	6.14	4.77	3.87	3.42	3.43	3.79	4.31	4.94	5.75	6.75	7.91	9.41	11.28	13.01	14.05	14.28	13.74	12.80
12N	2.53	1.25	0.16	-0.48	-0.51	-0.12	0.39	0.98	1.81	2.86	4.02	5.42	7.09	8.48	9.06	8.79	7.78	6.29
8N	1.63	0.74	-0.41	-1.31	-1.56	-1.45	-1.35	-1.17	-0.73	-0.01	0.84	1.79	2.76	3.41	3.51	3.16	2.45	1.33
4N	1.12	0.64	-0.37	-1.33	-1.78	-1.96	-2.16	-2.32	-2.20	-1.72	-0.96	-0.17	0.42	0.57	0.25	-0.30	-0.83	-1.48
0	-0.34	-0.55	-1.30	-2.22	-2.92	-3.38	-3.72	-3.94	-3.92	-3.41	-2.44	-1.46	-0.90	-1.05	-1.02	-3.04	-3.83	-4.21
4S	-1.36	-1.46	-2.03	-2.91	-3.83	-4.56	-4.98	-5.20	-5.17	-4.57	-3.33	-2.20	-1.58	-1.01	-3.22	-4.86	-5.96	-6.23
8S	-0.32	-0.50	-1.19	-2.19	-3.25	-4.17	-4.81	-5.11	-5.01	-4.37	-3.30	-2.24	-1.69	-2.09	-3.45	-5.10	-6.23	-6.61
12S	1.62	1.25	0.40	-0.58	-1.39	-2.06	-2.61	-2.83	-2.68	-2.29	-1.78	-1.31	-1.10	-1.48	-2.41	-3.40	-4.07	-4.52
16S	2.90	2.45	1.72	1.14	0.98	1.06	1.15	1.29	1.39	1.28	0.98	0.67	0.39	0.00	-0.36	-0.48	-0.51	-0.74
20S	4.53	4.18	3.73	3.63	4.10	4.91	5.69	6.17	6.15	5.54	4.58	3.65	2.94	2.49	2.48	2.90	3.30	3.32
24S	7.26	7.08	6.93	7.22	8.09	9.30	10.43	11.03	10.82	9.88	8.62	7.45	6.53	6.04	6.14	6.68	7.15	7.33
28S	11.05	10.95	11.00	11.55	12.57	13.73	14.67	14.98	14.51	13.52	12.45	11.50	10.71	10.33	10.47	10.86	11.09	11.23
32S	14.51	14.46	14.73	15.52	16.56	17.43	17.88	17.77	17.21	16.53	16.00	15.58	15.23	15.17	15.41	15.67	16.71	15.79
36S	16.71	16.83	17.40	18.44	19.51	20.22	20.44	20.31	20.09	20.00	20.09	20.20	20.36	20.66	21.03	21.29	21.39	21.57
40S	18.32	18.66	19.44	20.54	21.56	22.24	22.59	22.84	23.23	23.79	24.40	24.92	25.43	25.99	26.46	26.78	27.06	27.41
44S	19.91	20.36	21.12	21.95	22.66	23.20	23.69	24.33	25.21	26.22	27.18	27.94	28.64	29.33	29.89	30.31	30.77	31.26
48S	21.39	21.73	22.13	22.36	22.45	22.54	22.84	23.44	24.33	25.37	26.37	27.20	27.97	28.72	29.39	29.95	30.52	31.01
52S	21.39	21.43	21.31	20.89	20.32	19.84	19.63	19.70	20.97	20.66	21.33	21.99	22.69	23.41	24.10	24.70	25.27	25.57
56S	19.15	18.96	18.51	17.76	16.88	16.09	15.48	15.04	14.80	14.78	14.91	15.20	15.61	16.09	16.56	16.95	17.25	17.39
60S	15.55	15.13	14.86	14.14	13.34	12.58	11.90	11.27	10.70	10.22	9.87	9.72	9.70	9.74	9.81	9.87	9.88	9.82
64S	11.48	11.36	11.08	10.61	10.10	9.60	9.07	8.51	7.88	7.20	6.57	6.06	5.63	5.26	4.95	4.70	4.49	4.28
68S	7.77	7.78	7.72	7.54	7.33	7.11	6.82	6.46	5.99	5.41	4.79	4.18	3.58	3.02	2.53	2.13	1.81	1.53
72S	5.42	5.46	5.48	5.44	5.38	5.32	5.07	4.96	4.96	4.58	4.22	3.81	3.38	2.96	2.58	2.24	1.93	1.67
76S	4.58	4.56	4.55	4.47	4.47	4.45	4.43	4.42	4.39	4.34	4.25	4.08	3.90	3.74	3.56	3.37	3.17	2.99
80S	4.22	4.15	4.10	4.06	4.00	3.97	3.96	3.96	3.97	3.99	4.00	3.95	3.90	3.87	3.82	3.75	3.68	3.62
84S	3.41	3.34	3.30	3.27	3.21	3.17	3.14	3.13	3.11	3.12	3.14	3.13	3.15	3.17	3.16	3.15	3.15	3.20
88S	1.67	1.70	1.74	1.78	1.81	1.84	1.87	1.89	1.92	1.94	1.97	1.98	2.00	2.06	2.05	2.04	2.06	2.09

TABLE 5-23 JAN 400H8 ZONAL GEOSTROPHIC (M/SEC)

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
RRN	2.34	2.02	1.70	1.37	1.01	0.62	0.23	-0.16	-0.55	-0.91	-1.28	-1.63	-1.93	-2.19	-2.41	-2.58	-2.68	-2.71
84N	6.79	6.48	6.12	5.73	5.30	4.81	4.32	3.81	3.27	2.73	2.20	1.66	1.15	0.70	0.28	-0.08	-0.35	-0.50
80N	9.92	8.70	8.40	8.07	7.71	7.34	6.99	6.66	6.29	5.93	5.58	5.21	4.84	4.46	4.07	3.68	3.32	2.98
76N	9.34	9.20	8.95	8.67	8.38	8.12	7.94	7.84	7.77	7.76	7.78	7.80	7.80	7.74	7.54	7.31	6.98	6.52
72N	9.27	9.19	8.93	8.61	8.26	7.96	7.81	7.84	8.01	8.32	8.71	9.14	9.55	9.83	9.97	10.00	9.82	9.37
68N	9.88	9.77	9.47	9.07	8.61	8.24	8.06	8.12	8.40	8.88	9.49	10.16	10.80	11.28	11.60	11.80	11.76	11.39
64N	11.00	10.70	10.34	9.95	9.57	9.31	9.23	9.37	9.72	10.25	10.93	11.65	12.28	12.73	13.00	13.16	13.13	12.80
60N	11.76	11.14	10.69	10.44	10.35	10.38	10.55	10.85	11.27	11.80	12.44	13.10	13.60	13.90	14.04	14.06	13.94	13.60
56N	11.72	10.80	10.27	10.21	10.48	10.90	11.37	11.84	12.31	12.80	13.31	13.81	14.16	14.35	14.42	14.35	14.16	13.87
52N	10.77	9.74	9.21	9.30	9.86	10.61	11.32	11.93	12.45	12.85	13.18	13.48	13.75	13.99	14.19	14.23	14.15	14.05
48N	9.85	9.16	8.82	8.95	9.52	10.30	11.04	11.68	12.20	12.51	12.68	12.84	13.12	13.37	13.57	14.41	14.67	14.96
44N	10.60	10.63	10.69	10.83	11.16	11.64	12.14	12.62	12.99	13.17	13.20	13.27	13.54	14.08	14.71	15.31	15.91	16.56
40N	13.46	14.32	14.86	15.07	15.13	15.20	15.32	15.48	15.60	15.60	15.49	15.43	15.54	15.86	16.30	16.87	17.57	18.35
36N	17.65	19.24	20.25	20.61	20.50	20.21	19.97	19.81	19.68	19.53	19.34	19.13	18.97	18.84	18.88	19.18	19.75	20.51
32N	21.85	23.94	25.32	25.87	25.72	25.27	24.85	24.53	24.30	24.11	23.93	23.64	23.23	22.73	22.34	22.34	22.73	23.44
28N	23.88	26.11	27.75	28.62	28.73	28.44	28.10	27.82	27.60	27.41	27.23	26.95	26.52	25.94	25.43	25.33	25.68	26.42
24N	22.57	24.47	26.21	27.55	28.28	28.48	28.42	28.21	27.90	27.55	27.19	26.83	26.43	25.96	25.59	25.51	25.83	26.48
20N	18.40	19.51	21.07	22.78	24.18	25.03	25.35	25.21	24.71	24.00	23.22	22.51	21.89	21.43	21.15	21.05	21.13	21.40
16N	12.11	12.23	13.27	14.95	16.71	18.07	18.76	18.72	18.07	16.99	15.70	14.45	13.46	12.86	12.56	12.29	11.97	11.76
12N	4.89	4.24	4.57	5.64	7.04	8.30	9.02	9.04	8.39	7.19	5.65	4.13	2.96	2.29	1.90	1.39	0.73	0.26
8N	0.02	-0.86	-0.98	-0.57	0.06	0.68	1.01	0.85	0.12	-1.10	-2.53	-3.80	-4.65	-5.12	-5.50	-6.16	-6.93	-7.31
4N	-2.34	-3.00	-3.10	-2.72	-2.28	-2.03	-2.08	-2.46	-3.21	-4.23	-5.31	-6.14	-6.59	-6.82	-7.12	-7.74	-8.42	-8.58
0	-4.51	-4.75	-4.52	-3.71	-2.70	-2.36	-2.51	-2.94	-3.39	-3.88	-4.45	-5.00	-5.35	-5.51	-5.71	-6.14	-6.59	-6.59
4S	-6.15	-5.98	-5.37	-4.09	-2.61	-1.81	-1.89	-2.30	-2.57	-2.77	-3.09	-3.55	-3.91	-4.04	-4.11	-4.34	-4.56	-4.44
8S	-6.59	-6.30	-5.51	-4.11	-2.48	-1.41	-1.24	-1.67	-2.40	-3.28	-4.17	-5.18	-5.13	-5.11	-5.06	-5.18	-5.32	-5.13
12S	-4.84	-4.90	-4.57	-3.87	-2.87	-1.91	-1.36	-1.48	-2.38	-3.77	-5.09	-5.81	-5.94	-5.78	-5.63	-5.67	-5.74	-5.47
16S	-1.22	-1.71	-2.21	-2.63	-2.70	-2.23	-1.48	-1.03	-1.27	-2.04	-2.81	-3.17	-3.17	-3.04	-2.91	-2.95	-2.77	-2.42
20S	3.02	2.49	1.64	0.56	-0.30	-0.40	0.13	0.75	1.06	1.08	1.05	1.05	1.04	1.01	1.00	1.06	1.21	1.56
24S	7.37	7.24	6.69	5.67	4.61	4.04	4.03	4.31	4.66	5.02	5.34	5.43	5.28	5.05	4.89	4.87	4.98	5.25
28S	11.59	12.05	12.18	11.78	11.07	10.35	9.81	9.45	9.26	9.29	9.35	9.17	8.79	8.45	8.21	8.12	8.18	8.36
32S	16.28	17.05	17.67	17.89	17.72	17.24	16.57	15.77	14.97	14.35	13.85	13.31	12.77	12.40	12.16	12.05	12.08	12.18
36S	22.05	22.72	23.36	23.81	24.00	23.91	23.48	22.71	21.75	20.79	19.97	19.30	18.79	18.46	18.21	18.01	17.91	17.82
40S	27.82	28.22	28.62	28.99	29.29	29.42	29.27	28.81	28.10	27.27	26.50	25.99	25.71	25.52	25.27	24.96	24.64	24.30
44S	31.56	31.66	31.77	31.95	32.14	32.25	32.24	32.07	31.75	31.28	30.86	30.70	30.77	30.82	30.72	30.47	30.10	29.67
48S	31.18	31.07	30.98	30.99	30.94	30.83	30.71	30.61	30.51	30.39	30.38	30.61	31.02	31.42	31.68	31.80	31.78	31.64
52S	25.60	25.41	25.24	25.09	24.81	24.45	24.13	23.90	23.80	23.86	24.11	24.59	25.24	25.94	26.62	27.26	27.77	28.06
56S	17.32	17.13	16.94	16.68	16.31	15.88	15.53	15.28	15.22	15.40	15.79	16.37	17.07	17.81	18.61	19.43	20.09	20.46
60S	9.69	9.54	9.37	9.14	8.85	8.58	8.42	8.39	8.54	8.90	9.39	9.94	10.48	10.98	11.50	12.01	12.35	12.43
64S	4.08	3.96	3.87	3.78	3.70	3.72	3.86	4.13	4.55	5.06	5.55	5.94	6.17	6.25	6.30	6.29	6.16	5.97
68S	1.31	1.18	1.14	1.21	1.36	1.60	1.97	2.43	2.96	3.47	3.82	3.94	3.83	3.54	3.20	2.91	2.43	2.15
72S	1.47	1.34	1.31	1.41	1.61	1.88	2.23	2.61	2.98	3.26	3.36	3.24	2.94	2.54	2.14	1.77	1.54	1.51
76S	2.85	2.78	2.79	2.85	2.98	3.17	3.36	3.53	3.65	3.66	3.58	3.38	3.08	2.77	2.49	2.32	2.28	2.41
80S	3.57	3.57	3.64	3.70	3.81	3.92	4.00	4.04	4.01	3.92	3.80	3.63	3.41	3.20	3.02	2.92	2.87	2.89
84S	3.22	3.27	3.34	3.40	3.47	3.54	3.56	3.55	3.48	3.40	3.31	3.19	3.05	2.91	2.78	2.67	2.52	2.38
88S	2.08	2.08	2.07	2.06	2.04	2.01	1.98	1.92	1.82	1.74	1.66	1.55	1.42	1.29	1.18	1.06	0.89	0.72

TABLE 5-23 JAN 400M8 ZONAL GEOSTROPHIC (M/SEC)

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N	-2.64	-2.52	-2.33	-2.05	-1.70	-1.31	-0.89	-0.43	0.02	0.47	0.90	1.30	1.67	2.01	2.31	2.58	2.81	3.03
84N	-0.52	-0.42	-0.17	0.24	0.78	1.41	2.10	2.84	3.58	4.29	4.94	5.52	6.03	6.45	6.78	7.04	7.23	7.35
80N	2.71	2.54	2.31	2.63	2.90	3.29	3.78	4.35	4.98	5.61	6.24	6.85	7.41	7.90	8.31	8.62	8.85	9.01
76N	5.99	5.44	4.91	4.44	4.08	3.84	3.72	3.76	3.93	4.25	4.69	5.25	5.88	6.51	7.09	7.58	7.99	8.32
72N	8.67	7.78	6.74	5.61	4.51	3.45	2.51	1.78	1.32	1.01	0.78	0.58	0.35	0.17	0.00	0.17	0.54	0.83
68N	10.66	9.60	8.20	6.73	5.12	3.46	1.87	0.50	-0.49	-1.07	-1.28	-1.05	-0.45	0.33	1.16	1.89	2.57	3.32
64N	12.10	11.05	9.48	8.10	6.37	4.53	2.70	1.09	-0.16	-1.10	-1.73	-1.96	-1.78	-1.38	-0.95	-0.59	-0.13	0.59
60N	12.98	12.06	10.87	9.47	7.88	6.15	4.40	2.84	1.52	0.39	-0.57	-1.25	-1.62	-1.81	-1.95	-2.03	-1.81	-1.13
56N	13.44	12.81	11.94	10.86	9.56	8.11	6.61	5.22	3.92	2.82	1.76	0.81	-0.00	-0.69	-1.24	-1.52	-1.33	-0.64
52N	13.96	13.78	13.35	12.65	11.73	10.66	9.50	8.32	7.22	6.28	5.45	4.60	3.75	2.99	2.53	2.49	2.88	3.61
48N	15.31	15.64	15.78	15.65	15.31	14.86	14.29	13.64	13.10	12.86	12.83	12.72	12.51	12.34	12.42	12.67	12.96	13.15
44N	17.28	18.07	18.89	19.65	20.31	20.92	21.45	21.93	22.58	23.57	24.72	25.67	26.37	26.88	27.16	27.07	26.47	25.35
40N	19.26	20.43	21.96	23.76	25.70	27.67	29.60	31.50	33.52	35.64	37.59	39.09	40.08	40.51	40.28	39.26	37.45	34.97
36N	21.49	22.98	25.09	27.77	30.78	33.90	37.01	40.04	42.90	45.34	47.16	48.26	48.60	48.16	46.95	45.04	42.49	39.37
32N	24.52	26.22	28.61	31.59	34.91	38.37	41.81	45.02	47.58	49.10	49.66	49.45	48.50	46.89	44.95	42.81	40.55	37.96
28N	27.56	29.17	31.20	33.55	36.08	38.70	41.22	43.30	44.36	44.14	43.08	41.61	39.70	37.76	35.92	34.55	33.42	32.18
24N	27.40	28.45	29.56	30.71	31.95	33.24	34.31	34.76	34.20	32.67	30.77	28.93	27.17	25.62	24.60	24.20	24.17	24.22
20N	21.80	22.10	22.23	22.35	22.61	22.93	22.93	22.29	20.95	19.15	17.36	15.86	14.61	13.76	13.50	13.78	14.45	15.39
16N	11.66	11.43	10.98	10.55	10.33	10.15	9.65	8.69	7.45	6.16	5.03	4.12	3.48	3.23	3.40	4.18	5.25	6.72
12N	0.10	-0.02	-0.33	-0.71	-1.01	-1.31	-1.78	-2.40	-3.02	-3.55	-4.00	-4.37	-4.53	-4.39	-3.87	-2.95	-1.67	-0.13
8N	-7.08	-6.63	-6.46	-6.62	-6.90	-7.15	-7.35	-7.55	-7.74	-7.92	-8.13	-8.26	-8.18	-7.89	-7.78	-6.21	-4.87	-3.38
4N	-8.03	-7.26	-6.86	-6.89	-7.04	-7.13	-7.16	-7.25	-7.48	-7.84	-8.25	-8.41	-8.38	-8.15	-7.67	-6.76	-5.54	-4.37
0	-6.02	-5.31	-4.86	-4.69	-4.58	-4.46	-4.45	-4.65	-5.10	-5.77	-6.49	-6.89	-6.95	-6.92	-6.75	-6.29	-5.66	-5.05
4S	-3.92	-3.32	-2.86	-2.50	-2.15	-1.9	-2.06	-2.47	-3.01	-3.68	-4.35	-4.80	-5.00	-5.16	-5.26	-5.18	-5.03	-4.87
8S	-4.53	-3.84	-3.26	-2.79	-2.44	-2.24	-2.95	-3.57	-4.36	-5.21	-6.13	-7.01	-7.84	-8.58	-9.10	-9.38	-9.44	-9.34
12S	-4.72	-3.83	-3.18	-2.81	-2.40	-2.32	-2.43	-2.77	-3.41	-4.26	-5.21	-6.13	-7.01	-7.84	-8.58	-9.10	-9.44	-9.34
16S	-1.62	-0.69	-0.10	0.02	-0.36	-1.27	-2.26	-2.43	-1.04	1.65	4.31	5.90	6.45	6.57	6.78	7.16	7.48	7.57
20S	2.27	3.09	3.57	3.61	3.19	2.37	1.62	1.77	3.31	5.82	8.24	9.82	10.59	10.92	11.10	11.23	11.24	11.00
24S	5.76	6.38	6.81	7.01	6.94	6.61	6.32	6.62	7.66	9.14	10.56	11.65	12.44	12.86	12.95	12.86	12.67	12.29
28S	8.67	9.07	9.50	9.95	10.39	10.66	10.78	10.95	11.15	11.33	11.58	12.03	12.57	12.88	12.83	12.62	12.41	12.17
32S	12.31	12.48	12.74	13.16	13.72	14.18	14.37	14.24	13.74	13.01	12.45	12.30	12.35	12.30	12.05	11.74	11.62	11.57
36S	17.69	17.53	17.39	17.41	17.62	17.84	17.86	17.48	16.60	15.43	14.40	13.69	13.14	12.61	12.14	11.78	11.57	11.54
40S	23.88	23.38	22.83	22.41	22.21	22.15	22.05	21.56	20.51	19.12	17.79	16.64	15.56	14.65	14.01	13.55	13.22	13.10
44S	29.16	28.49	27.74	27.05	26.57	26.37	26.24	25.76	24.73	23.35	21.97	20.64	19.32	18.25	17.56	17.09	16.71	16.50
48S	31.36	30.85	30.20	29.52	28.97	28.73	28.65	28.32	27.56	26.51	25.44	24.38	23.28	22.39	21.67	21.12	20.71	20.50
52S	28.12	27.92	27.53	27.04	26.58	26.36	26.37	26.34	26.14	25.81	25.44	25.04	24.62	24.31	24.22	24.25	24.23	24.10
56S	20.56	20.49	20.30	20.05	19.81	19.74	19.91	20.23	20.61	21.00	21.33	21.60	21.91	22.26	22.61	22.91	23.07	23.02
60S	12.33	12.23	12.20	12.22	12.31	12.51	12.89	13.44	14.11	14.83	15.49	16.12	16.81	17.50	18.06	18.46	18.70	18.74
64S	5.68	5.59	5.75	6.06	6.48	6.96	7.48	8.06	8.70	9.36	9.99	10.64	11.33	11.90	12.52	12.90	13.13	13.22
68S	2.02	2.14	2.50	3.05	3.66	4.23	4.74	5.16	5.54	5.94	6.35	6.79	7.24	7.65	8.00	8.25	8.45	8.58
72S	1.66	1.99	2.42	2.93	3.42	3.81	4.11	4.30	4.43	4.60	4.83	5.08	5.32	5.54	5.74	5.90	6.05	6.16
76S	2.63	2.90	3.16	3.39	3.57	3.66	3.72	3.74	3.74	3.70	3.92	4.07	4.22	4.37	4.52	4.66	4.77	4.84
80S	2.95	2.98	2.97	2.94	2.86	2.74	2.64	2.57	2.50	2.49	2.51	2.57	2.66	2.75	2.86	2.90	3.00	3.10
84S	2.27	2.12	1.93	1.73	1.53	1.34	1.17	1.04	0.93	0.87	0.81	0.79	0.82	0.84	0.91	1.03	1.13	1.24
88S	0.57	0.40	0.23	0.06	-0.10	-0.25	-0.37	-0.49	-0.58	-0.65	-0.72	-0.76	-0.79	-0.82	-0.78	-0.72	-0.67	-0.60

TABLE 5-24 JAN 400MB MERIDIONAL GEOSTROPHIC (M/SEC)

	177.5W	172.5W	167.5W	162.5W	157.5W	152.5W	147.5W	142.5W	137.5W	132.5W	127.5W	122.5W	117.5W	112.5W	107.5W	102.5W	97.5W	92.5W
39N	2.38	2.12	1.88	1.63	1.37	1.12	0.88	0.66	0.49	0.32	0.16	0.06	-0.09	-0.05	-0.09	-0.08	0.01	0.04
84N	1.02	0.46	-0.05	-0.55	-1.05	-1.52	-1.96	-2.33	-2.58	-2.77	-2.88	-2.84	-2.64	-2.34	-1.96	-1.40	-0.64	0.08
80N	0.47	-0.19	-0.85	-1.52	-2.21	-2.91	-3.59	-4.27	-4.74	-5.16	-5.47	-5.56	-5.30	-4.90	-4.36	-3.36	-2.07	-0.67
76N	0.68	-0.75	-1.51	-2.31	-3.15	-4.04	-4.92	-5.72	-6.46	-7.12	-7.52	-7.52	-7.43	-7.43	-6.74	-5.57	-3.92	-1.98
72N	1.48	-0.01	-0.80	-1.61	-2.49	-3.47	-4.46	-5.55	-6.59	-7.58	-8.43	-8.80	-8.80	-8.17	-7.70	-6.70	-5.02	-3.66
68N	2.64	1.88	1.10	0.39	-0.30	-1.10	-2.09	-3.22	-4.48	-5.76	-7.06	-8.31	-9.32	-10.01	-10.61	-10.25	-7.61	-5.31
64N	3.95	3.21	2.51	2.00	1.55	0.85	-0.21	-1.51	-2.93	-4.43	-6.02	-7.58	-8.90	-9.84	-10.31	-9.95	-8.64	-6.54
60N	5.31	4.74	4.25	4.07	3.81	3.05	1.79	0.30	-1.24	-2.89	-4.75	-6.59	-8.13	-9.30	-10.05	-10.05	-9.11	-7.32
56N	6.70	6.45	6.33	6.44	6.17	5.14	3.59	2.00	0.48	-1.22	-3.31	-5.45	-7.20	-8.56	-9.60	-9.95	-9.28	-7.79
52N	8.02	8.17	8.44	8.69	8.19	6.76	4.99	3.45	2.10	0.44	-1.83	-4.25	-6.26	-7.92	-9.07	-9.75	-9.13	-8.04
48N	8.70	9.62	9.79	9.79	9.04	7.48	5.82	4.50	3.30	1.64	-0.74	-3.30	-5.50	-7.44	-8.67	-9.75	-9.13	-7.66
44N	7.96	8.56	9.08	9.13	8.40	7.21	6.04	5.00	3.80	2.03	-0.36	-2.82	-4.95	-6.88	-8.44	-9.87	-7.89	-6.15
40N	5.74	6.50	7.10	7.19	6.81	6.24	5.63	4.83	3.58	1.78	-0.45	-2.62	-4.40	-5.97	-7.07	-6.99	-5.60	-3.70
36N	2.57	3.54	4.30	4.63	4.76	4.80	4.59	3.96	2.81	1.21	-0.65	-2.35	-3.67	-4.66	-5.07	-4.39	-2.67	-0.95
32N	-0.75	1.32	2.06	2.06	2.69	3.10	3.06	2.58	1.78	0.70	-0.56	-1.76	-2.63	-3.04	-2.78	-1.57	0.26	1.75
28N	-3.27	-2.41	-1.28	-0.14	0.88	1.49	1.57	1.35	1.07	0.65	-0.03	0.81	-1.34	-1.40	-0.82	0.54	2.21	3.27
24N	-4.74	-4.33	-3.27	-1.86	-0.55	-0.27	0.61	0.76	0.92	0.95	0.62	0.62	-0.16	-0.16	-0.36	1.40	2.82	3.53
20N	-5.38	-5.42	-4.49	-2.95	-1.51	-0.51	0.17	0.68	1.05	1.22	1.02	0.67	0.40	0.51	0.80	1.52	2.44	2.96
16N	-5.20	-5.53	-4.72	-3.25	-1.91	-0.85	0.10	0.85	1.24	1.29	1.09	0.82	0.70	0.65	0.60	0.97	1.47	1.86
12N	-4.05	-4.39	-3.71	-2.56	-1.63	-0.76	0.27	1.09	1.32	1.11	0.79	0.57	0.40	0.41	0.26	0.19	0.30	0.56
8N	-2.69	-3.01	-2.50	-1.67	-1.05	-0.35	0.69	1.51	1.52	0.92	0.35	0.17	0.25	0.25	0.00	-0.32	-0.44	-0.28
4N	-1.49	-1.76	-1.47	-0.99	-0.62	-0.10	0.76	1.42	1.30	0.62	0.04	-0.08	0.08	0.15	-0.08	-0.42	-0.57	-0.24
0	-0.09	-0.08	-0.06	-0.14	-0.29	-0.20	0.14	0.36	0.74	-0.01	-0.16	-0.21	-0.18	-0.18	-0.27	-0.36	-0.40	-0.31
4S	1.16	1.47	1.29	0.69	0.05	-0.30	-0.50	-0.75	-0.88	-0.70	-0.42	-0.37	-0.46	-0.52	-0.45	-0.25	-0.11	-0.24
8S	1.91	2.38	2.07	1.30	0.55	-0.02	-0.50	-1.00	-1.33	-1.22	-0.89	-0.72	-0.71	-0.64	-0.44	-0.12	0.17	0.31
12S	2.20	2.64	2.25	1.52	0.88	0.29	-0.26	-0.80	-1.31	-1.54	-1.43	-1.21	-0.95	-0.61	-0.30	0.02	0.35	0.52
16S	2.12	2.48	2.02	1.28	0.71	0.16	-0.39	-0.84	-1.28	-1.64	-1.74	-1.60	-1.21	-0.66	-0.25	0.03	0.39	0.43
20S	1.65	1.95	1.47	0.75	0.26	-0.18	-0.63	-0.93	-1.19	-1.53	-1.81	-1.83	-1.44	-0.84	-0.38	-0.14	0.08	0.23
24S	0.99	1.31	0.91	0.27	-0.15	-0.46	-0.79	-0.97	-1.08	-1.36	-1.74	-1.90	-1.64	-1.10	-0.63	-0.39	-0.11	0.10
28S	0.47	0.82	0.59	0.06	-0.33	-0.59	-0.83	-0.94	-0.97	-1.19	-1.57	-1.80	-1.60	-1.32	-0.87	-0.52	-0.12	0.14
32S	0.22	0.65	0.60	0.19	-0.23	-0.51	-0.66	-0.68	-0.70	-0.90	-1.21	-1.43	-1.47	-1.32	-0.97	-0.53	-0.03	0.20
36S	0.28	0.78	0.91	0.60	0.12	-0.18	-0.24	-0.17	-0.19	-0.40	-0.69	-0.91	-1.10	-1.18	-1.01	-0.56	-0.03	0.13
40S	0.43	1.08	1.42	1.18	0.65	0.31	0.29	0.39	0.35	0.11	-0.20	-0.47	-0.78	-1.06	-1.06	-0.69	-0.19	-0.03
44S	0.58	1.40	1.91	1.75	1.19	0.79	0.74	0.78	0.71	0.47	0.15	-0.18	-0.53	-0.89	-1.02	-0.80	-0.40	-0.16
48S	0.62	1.53	2.11	2.01	1.47	1.03	0.88	0.84	0.77	0.60	0.29	-0.05	-0.32	-0.59	-0.76	-0.72	-0.48	-0.16
52S	0.38	1.21	1.71	1.62	1.17	0.80	0.62	0.54	0.51	0.43	0.20	-0.02	-0.10	-0.16	-0.32	-0.47	-0.43	-0.11
56S	-0.10	0.54	0.90	0.83	0.53	0.29	0.14	0.04	0.02	0.02	-0.04	-0.04	0.13	0.23	0.05	-0.27	-0.41	-0.17
60S	-0.56	-0.08	0.20	0.19	0.01	-0.16	-0.32	-0.49	-0.54	-0.48	-0.35	-0.10	0.25	0.43	0.22	-0.19	-0.43	-0.29
64S	-0.84	-0.45	-0.19	-0.16	-0.27	-0.45	-0.70	-0.95	-1.06	-0.96	-0.69	-0.23	0.25	0.45	0.23	-0.18	-0.42	-0.33
68S	-0.89	-0.59	-0.36	-0.31	-0.43	-0.68	-1.03	-1.34	-1.47	-1.37	-1.01	-0.46	0.06	0.29	0.15	-0.13	-0.27	-0.19
72S	-0.96	-0.79	-0.67	-0.66	-0.80	-1.09	-1.45	-1.71	-1.80	-1.70	-1.36	-0.84	-0.32	-0.03	-0.01	-0.05	-0.02	0.09
76S	-1.25	-1.25	-1.27	-1.33	-1.46	-1.69	-1.94	-2.09	-2.10	-1.98	-1.70	-1.27	-0.80	-0.45	0.25	-0.08	0.11	0.29
80S	-1.56	-1.69	-1.81	-1.91	-2.01	-2.16	-2.28	-2.32	-2.27	-2.13	-1.89	-1.56	-1.17	-0.82	-0.53	-0.26	-0.01	0.20
84S	-1.56	-1.75	-1.89	-2.01	-2.09	-2.18	-2.24	-2.21	-2.14	-2.03	-1.87	-1.64	-1.36	-1.09	-0.84	-0.61	-0.39	-0.20
88S	-0.99	-1.14	-1.26	-1.37	-1.46	-1.55	-1.61	-1.60	-1.63	-1.61	-1.59	-1.51	-1.43	-1.35	-1.24	-1.14	-1.05	-0.95

TABLE 5-24 JAN 400MB MERIDIONAL GEOSTROPHIC (M/SEC)

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	0.01	0.00	0.02	-0.01	-0.09	-0.20	-0.34	-0.52	-0.73	-0.95	-1.23	-1.53	-1.82	-2.12	-2.41	-2.72	-3.01	-3.24
84N	0.71	1.36	1.99	2.47	2.81	3.02	3.09	2.96	2.68	2.29	1.77	1.16	0.49	-0.20	-0.91	-1.67	-2.39	-2.99
80N	0.73	2.15	3.46	4.55	5.36	5.89	6.11	5.96	5.55	4.95	4.17	3.27	2.29	1.26	0.22	-0.81	-1.75	-2.57
76N	0.09	2.21	4.19	5.85	7.11	7.91	8.23	8.05	7.52	6.78	5.85	4.77	3.60	2.36	1.13	-0.04	-1.11	-2.07
72N	-1.12	1.53	4.03	6.20	7.86	8.91	9.31	9.14	8.59	7.84	6.93	5.87	4.66	3.35	2.03	0.77	-0.40	-1.48
68N	-2.60	0.25	3.00	5.48	7.46	8.80	9.44	9.46	9.07	8.48	7.74	6.84	5.72	4.41	3.04	1.70	0.40	-0.86
64N	-3.96	-1.23	1.49	4.07	6.30	8.02	9.10	9.51	9.43	9.08	8.51	7.72	6.66	5.32	3.88	2.47	1.02	-0.51
60N	-5.06	-2.60	0.02	2.67	5.17	7.32	8.88	9.70	9.92	9.73	9.19	8.31	7.13	5.66	4.12	2.64	1.03	-0.81
56N	-5.88	-3.66	-1.07	1.76	4.56	7.08	9.00	10.08	10.45	10.27	9.58	8.42	6.93	5.25	3.61	2.08	0.26	-1.84
52N	-6.33	-4.22	-1.54	1.57	4.67	7.40	9.43	10.51	10.78	10.42	9.47	7.84	5.97	4.05	2.33	0.72	-1.24	-3.42
48N	-5.94	-3.88	-1.17	2.02	5.13	7.74	9.53	10.32	10.28	9.61	8.27	6.39	4.34	2.30	0.47	-1.19	-3.05	-5.00
44N	-4.38	-2.52	-0.14	2.63	5.25	7.36	8.67	9.03	8.59	7.61	6.13	4.28	2.40	0.45	-1.44	-3.03	-4.51	-5.89
40N	-2.05	-0.62	1.06	2.99	4.78	6.17	6.90	6.82	6.04	4.88	3.49	1.98	0.52	-1.11	-2.88	-4.26	-5.16	-5.83
36N	0.41	1.23	2.08	3.03	3.85	4.40	4.54	4.09	3.14	2.01	0.87	-0.20	-1.13	-2.24	-3.50	-4.55	-4.80	-4.93
32N	2.40	2.51	2.60	2.68	2.59	2.39	2.04	1.35	0.43	-0.46	-1.29	-2.02	-2.49	-2.90	-3.48	-3.74	-3.35	-2.98
28N	3.34	2.71	2.49	1.97	1.24	0.56	-0.01	-0.70	-1.43	-2.00	-2.62	-3.29	-3.51	-3.17	-2.70	-2.03	-1.06	-0.54
24N	3.34	2.75	2.11	1.25	0.16	-0.71	-1.26	-1.82	-2.36	-2.69	-3.20	-3.92	-4.03	-3.09	-1.68	-0.19	1.22	1.79
20N	2.85	2.44	1.05	0.86	-0.40	-1.32	-1.81	-2.30	-2.71	-2.89	-3.27	-3.91	-3.91	-2.64	-0.75	1.11	2.69	3.32
16N	2.00	1.96	1.64	0.76	-0.47	-1.38	-1.85	-2.29	-2.60	-2.66	-2.86	-3.29	-3.14	-1.85	-0.05	1.62	3.06	3.75
12N	0.87	1.14	1.17	0.64	-0.28	-1.04	-1.48	-1.94	-2.26	-2.31	-2.41	-2.81	-2.85	-1.85	0.28	1.31	2.30	2.91
8N	0.00	0.21	0.35	0.23	-0.24	-0.80	-1.19	-1.38	-1.55	-1.65	-1.71	-2.06	-1.86	-0.86	0.28	0.80	1.38	1.76
4N	-0.21	-0.10	-0.05	-0.08	-0.29	-0.57	-0.79	-0.83	-0.63	-0.24	-0.30	-0.44	-0.45	-0.30	-0.08	0.25	0.70	0.96
0	-0.01	0.30	0.28	-0.06	-0.24	-0.08	0.10	0.25	0.54	0.78	0.62	0.21	-0.17	-0.52	-0.79	-0.68	-0.16	0.20
4S	0.32	0.81	0.65	-0.10	-0.37	0.21	0.89	1.32	1.75	1.99	1.65	0.90	0.03	-0.87	-1.81	-1.84	-1.08	-0.44
8S	0.58	0.86	0.38	-0.70	-1.06	-0.20	0.94	1.82	2.61	3.07	2.74	1.71	0.16	-1.76	-3.22	-3.19	-1.90	-0.81
12S	0.58	0.43	-0.37	-1.53	-1.85	-0.88	0.52	1.81	2.99	3.67	3.41	2.23	0.15	-2.50	-4.36	-4.16	-2.47	-1.05
16S	0.34	-0.07	-0.94	-1.88	-1.97	-0.98	0.39	1.73	2.91	3.50	3.19	2.06	-0.02	-2.72	-4.48	-4.15	-2.54	-1.27
20S	0.08	-0.45	-1.19	-1.69	-1.42	-0.44	0.70	1.68	2.41	2.63	2.24	1.34	-0.36	-2.58	-3.86	-3.39	-2.12	-1.29
24S	-0.08	-0.65	-1.14	-1.11	-0.46	0.52	1.31	1.66	1.66	1.38	0.94	0.33	-0.86	-2.37	-3.00	-2.41	-1.53	-1.11
28S	-0.14	-0.71	-0.88	-0.35	0.63	1.59	1.96	1.56	0.92	0.16	-0.26	-0.66	-1.42	-2.24	-2.32	-1.72	-1.12	-0.91
32S	-0.19	-0.67	-0.46	0.48	1.57	2.27	2.15	1.19	0.08	-0.61	-0.92	-1.20	-1.70	-2.06	-1.97	-1.43	-1.00	-0.51
36S	-0.25	-0.44	0.23	1.45	2.37	2.57	1.96	0.75	-0.32	-0.82	-0.98	-1.18	-1.52	-1.66	-1.47	-1.25	-0.93	-0.21
40S	-0.20	0.06	1.21	2.57	3.20	2.93	1.99	0.76	-0.13	-0.44	-0.55	-0.77	-1.03	-1.13	-1.05	-0.99	-0.69	0.16
44S	0.01	0.74	2.24	3.64	4.01	3.47	2.46	1.40	0.74	0.49	0.25	-0.03	-0.34	-0.50	-0.50	-0.61	-0.73	0.60
48S	0.33	1.39	3.02	4.31	4.52	3.96	3.16	2.44	2.04	1.77	1.30	0.80	0.51	0.27	0.00	-0.04	0.38	1.04
52S	0.53	1.63	3.07	4.11	4.26	3.89	3.44	3.13	3.07	2.91	2.55	1.76	1.48	1.21	0.82	0.71	1.03	1.38
56S	0.44	1.36	2.42	3.15	3.29	3.14	3.01	3.05	3.33	3.44	3.06	2.59	2.30	2.13	1.67	1.42	1.53	1.56
60S	0.19	0.87	1.58	2.04	2.16	2.15	2.20	2.44	2.91	3.26	3.17	2.95	2.89	2.67	2.18	1.83	1.75	1.58
64S	0.03	0.46	0.86	1.13	1.21	1.25	1.35	1.59	2.03	2.45	2.62	2.68	2.75	2.50	2.17	1.81	1.66	1.42
68S	0.05	0.30	0.49	0.61	0.63	0.63	0.65	0.75	0.99	1.31	1.58	1.79	1.93	1.80	1.64	1.42	1.30	1.10
72S	0.26	0.41	0.48	0.48	0.42	0.33	0.25	0.23	0.27	0.41	0.60	0.78	0.91	0.95	0.89	0.83	0.76	0.60
76S	0.43	0.56	0.52	0.43	0.32	0.32	0.21	0.12	0.06	0.08	0.14	0.20	0.24	0.25	0.26	0.24	0.16	0.02
80S	0.36	0.45	0.50	0.50	0.48	0.42	0.32	0.21	0.10	0.05	0.03	-0.01	-0.07	-0.10	-0.12	-0.10	-0.31	-0.42
84S	-0.03	0.09	0.17	0.22	0.27	0.28	0.21	0.12	0.05	0.01	-0.03	-0.10	-0.18	-0.23	-0.27	-0.36	-0.45	-0.49
88S	-0.84	-0.75	-0.67	-0.59	-0.52	-0.45	-0.43	-0.41	-0.37	-0.33	-0.29	-0.25	-0.21	-0.17	-0.14	-0.12	-0.07	-0.00

TABLE 5-24 JAN 400MB MERIDIONAL GEOSTROPHIC (M/SEC)

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
88N	-3.43	-3.62	-3.76	-3.88	-3.97	-4.03	-4.04	-3.94	-3.74	-3.50	-3.23	-2.90	-2.47	-2.02	-1.53	-0.91	-0.16	0.53
84N	-3.54	-4.05	-4.50	-4.90	-5.25	-5.60	-5.87	-5.94	-5.81	-5.61	-5.38	-5.01	-4.45	-3.81	-3.07	-2.01	-0.69	0.53
80N	-3.30	-3.95	-4.50	-4.95	-5.33	-5.70	-6.00	-6.14	-6.11	-6.02	-5.92	-5.67	-5.22	-4.67	-4.00	-3.00	-1.72	-0.43
76N	-2.91	-3.62	-4.19	-4.60	-4.89	-5.11	-5.24	-5.26	-5.21	-5.15	-5.13	-5.03	-4.70	-4.51	-4.13	-3.52	-2.68	-1.72
72N	-2.47	-3.30	-3.96	-4.41	-4.59	-4.54	-4.34	-4.05	-3.78	-3.59	-3.51	-3.49	-3.48	-3.51	-3.52	-3.43	-3.23	-2.90
68N	-2.08	-3.16	-4.05	-4.61	-4.72	-4.39	-3.78	-3.07	-2.45	-1.99	-1.73	-1.72	-1.91	-2.21	-2.53	-2.88	-3.30	-3.69
64N	-1.99	-3.28	-4.31	-4.93	-4.95	-4.37	-3.39	-2.33	-1.40	-0.65	-0.21	-0.22	-0.63	-1.17	-1.60	-2.33	-3.21	-4.20
60N	-2.45	-3.69	-4.55	-5.00	-4.87	-4.09	-2.89	-1.62	-0.49	0.45	0.99	0.88	0.22	-0.56	-1.24	-2.05	-3.24	-4.66
56N	-3.50	-4.41	-4.73	-4.72	-4.33	-3.45	-2.22	-0.92	0.27	1.30	1.86	1.60	0.71	-0.27	-1.10	-2.05	-3.40	-5.02
52N	-4.93	-5.30	-4.86	-4.15	-3.40	-2.47	-1.35	-0.19	0.91	1.88	2.38	2.01	0.90	-0.00	-1.04	-2.13	-3.55	-5.17
48N	-6.17	-6.05	-4.96	-3.57	-2.40	-1.42	-0.43	0.53	1.44	2.21	2.58	2.25	1.36	0.34	-0.71	-1.96	-3.40	-4.90
44N	-6.63	-6.30	-4.98	-3.22	-1.73	-0.65	0.29	1.16	1.85	2.38	2.64	2.46	1.80	1.06	-0.02	-1.39	-2.84	-4.24
40N	-6.20	-5.95	-4.82	-3.11	-1.51	-0.32	0.67	1.51	2.08	2.45	2.66	2.63	2.30	1.69	0.69	-0.67	-2.11	-3.44
36N	-5.02	-5.09	-4.47	-3.12	-1.66	-0.42	0.67	1.56	2.10	2.41	2.62	2.65	2.43	1.95	1.11	-0.09	-1.43	-2.69
32N	-3.26	-3.45	-3.93	-3.20	-2.06	-0.84	0.40	1.41	2.03	2.36	2.52	2.51	2.24	1.70	1.12	0.20	-0.91	-2.02
28N	-1.14	-2.37	-3.21	-3.20	-2.50	-1.33	0.09	1.29	2.03	2.41	2.52	2.57	1.93	1.30	0.89	0.33	-0.45	-1.29
24N	0.91	-0.79	-2.22	-2.86	-2.68	-1.65	-0.10	1.23	2.03	2.48	2.62	2.35	1.72	1.07	0.72	0.50	0.04	-0.54
20N	2.45	0.68	-0.95	-2.03	-2.36	-1.64	-0.16	1.13	1.88	2.35	2.56	2.28	1.56	0.88	0.66	0.67	0.40	-0.04
16N	3.14	1.73	0.35	-0.81	-1.52	-1.20	-0.05	0.98	1.52	1.89	2.12	1.91	1.28	0.71	0.61	0.68	0.46	0.05
12N	2.67	1.96	1.26	0.45	-0.32	-0.39	0.24	0.77	0.90	0.98	1.09	0.97	0.64	0.30	0.30	0.37	0.12	-0.18
8N	1.72	1.62	1.58	1.17	0.50	0.25	0.45	0.47	0.11	-0.15	-0.12	-0.06	-0.01	0.03	0.01	-0.19	-0.39	-0.31
4N	0.90	0.96	1.20	1.10	0.63	0.38	0.51	0.54	0.19	-0.21	-0.37	-0.34	-0.22	-0.42	-0.14	-0.35	-0.43	-0.19
0	0.09	-0.01	0.28	0.59	0.50	0.29	0.56	1.17	1.45	1.13	0.51	0.53	-0.14	-0.08	0.07	0.16	0.12	-0.21
4S	-0.52	-0.79	-0.40	0.36	0.56	0.27	0.55	1.72	2.68	2.50	1.49	0.50	0.01	0.02	0.36	0.76	0.78	0.23
8S	-0.68	-0.74	0.06	1.23	1.38	0.59	0.45	1.58	2.69	2.56	1.54	0.55	0.09	0.17	0.45	0.91	1.06	0.53
12S	-0.67	-0.36	0.88	2.35	2.42	1.19	0.48	1.03	1.68	1.44	0.73	0.23	0.14	0.27	0.45	0.76	1.05	0.89
16S	-0.90	-0.54	0.76	2.36	2.69	1.68	0.83	0.84	0.88	0.46	0.05	0.01	0.21	0.41	0.50	0.70	1.08	1.25
20S	-1.15	-1.00	-0.02	1.47	2.19	1.80	1.25	1.05	0.71	0.15	-0.14	-0.03	0.21	0.39	0.49	0.67	1.12	1.54
24S	-1.18	-1.34	-0.88	0.28	1.27	1.53	1.44	1.32	0.93	0.36	0.02	-0.02	0.06	0.22	0.40	0.62	1.11	1.71
28S	-0.84	-1.20	-1.28	-0.59	0.36	0.95	1.18	1.26	1.07	0.64	0.19	-0.12	-0.21	-0.34	0.24	0.54	1.07	1.76
32S	-0.23	-0.55	-0.28	-0.78	-0.16	0.29	0.49	0.62	0.61	0.37	0.08	-0.49	-0.57	-0.30	0.09	0.40	1.06	1.78
36S	0.40	0.20	-0.36	-0.48	-0.23	-0.13	-0.24	-0.32	-0.35	-0.48	-0.79	-1.05	-0.96	-0.56	-0.07	0.40	1.01	1.72
40S	0.89	0.73	0.13	-0.08	-0.02	-0.21	-0.67	-1.08	-1.28	-1.40	-1.53	-1.52	-1.23	-0.70	-0.34	0.14	0.76	1.42
44S	1.19	0.96	0.39	0.22	0.23	-0.13	-0.82	-1.48	-1.91	-2.09	-2.06	-1.72	-1.26	-0.91	-0.64	-0.27	0.31	0.89
48S	1.30	0.93	0.44	0.34	0.32	-0.11	-0.87	-1.60	-2.17	-2.43	-2.18	-1.54	-0.96	-0.77	-0.77	-0.58	-0.08	0.40
52S	1.27	0.76	0.31	0.19	0.05	-0.45	-1.17	-1.82	-2.32	-2.65	-1.92	-0.97	-0.25	-0.08	-0.19	0.16	0.19	0.46
56S	1.17	0.54	0.04	-0.24	-0.55	-1.12	-1.75	-2.24	-2.48	-2.25	-1.36	-0.13	0.80	1.14	1.00	1.01	1.06	0.91
60S	1.04	0.32	-0.29	-0.76	-1.21	-1.74	-2.22	-2.49	-2.40	-1.79	-0.61	0.80	1.86	2.34	2.33	2.06	1.69	1.09
64S	0.87	0.16	-0.54	-1.15	-1.63	-2.02	-2.27	-2.29	-1.91	-1.02	0.27	1.63	2.63	3.00	3.01	2.47	1.60	0.78
68S	0.64	0.01	-0.67	-1.24	-1.63	-1.81	-1.79	-1.55	-0.97	-0.03	1.10	2.15	2.86	3.11	2.80	2.12	1.16	0.23
72S	0.26	-0.20	-0.69	-1.06	-1.24	-1.21	-0.99	-0.58	0.03	0.78	1.53	2.13	2.47	2.47	2.10	1.55	0.81	0.21
76S	-0.20	-0.46	-0.71	-0.84	-0.82	-0.66	-0.37	0.05	0.54	1.03	1.44	1.72	1.86	1.88	1.73	1.44	1.14	0.96
80S	-0.50	-0.60	-0.68	-0.64	-0.52	-0.32	-0.07	0.24	0.58	0.89	1.13	1.30	1.44	1.54	1.61	1.64	1.71	1.79
84S	-0.45	-0.42	-0.38	-0.26	-0.12	0.05	0.20	0.35	0.55	0.75	0.94	1.09	1.23	1.38	1.56	1.74	1.97	2.13
88S	0.10	0.21	0.30	0.42	0.54	0.66	0.74	0.82	0.92	1.03	1.14	1.23	1.32	1.42	1.50	1.61	1.71	1.77

TABLE 5-24 JAN 400MB MERIDIONAL GEOSTROPHIC (M/SEC)

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N	1.11	1.71	2.29	2.79	3.21	3.58	3.92	4.11	4.16	4.14	4.07	3.95	3.77	3.58	3.38	3.15	2.90	2.65
84N	1.60	2.75	3.92	4.89	5.63	6.26	6.74	6.88	6.72	6.38	5.93	5.38	4.76	4.10	3.47	2.85	2.21	1.66
80N	0.88	2.35	3.87	5.22	6.28	7.16	7.77	7.96	7.78	7.36	6.79	6.07	5.25	4.36	3.50	2.71	1.92	1.17
76N	0.58	0.82	2.37	3.85	5.11	6.18	6.98	7.40	7.47	7.31	6.95	6.38	5.65	4.78	3.86	2.99	2.17	1.40
72N	-0.31	-1.38	-0.17	1.16	2.42	3.59	4.63	5.47	6.08	6.51	6.73	6.67	6.31	5.64	4.75	3.81	2.97	2.20
68N	-3.83	-3.60	-2.96	-2.04	-1.02	0.10	1.34	2.65	3.94	5.14	6.15	6.85	7.06	6.67	5.82	4.83	4.00	3.31
64N	-5.04	-5.47	-5.38	-4.91	-4.24	-3.30	-1.94	-0.25	1.59	3.38	5.06	6.49	7.29	7.16	6.32	5.36	4.77	4.43
60N	-5.99	-6.91	-7.24	-7.14	-6.80	-6.05	-4.64	-2.68	-0.54	1.52	3.57	5.49	6.75	6.82	6.00	5.23	5.15	5.47
56N	-6.62	-7.87	-8.53	-8.71	-8.66	-8.11	-6.70	-4.60	-2.33	-0.20	1.94	4.08	5.57	5.81	5.15	4.77	5.37	6.34
52N	-6.85	-8.32	-9.27	-9.73	-9.94	-9.56	-8.22	-6.13	-3.79	-1.61	0.46	2.53	4.08	4.54	4.29	4.49	5.76	7.27
48N	-6.54	-8.19	-9.44	-10.20	-10.64	-10.41	-9.21	-7.18	-4.68	-2.27	-0.22	1.66	3.03	4.03	4.29	4.73	6.25	7.83
44N	-5.79	-7.52	-8.95	-9.94	-10.52	-10.39	-9.32	-7.27	-4.44	-1.65	0.43	2.09	3.52	4.28	4.43	4.84	5.95	7.16
40N	-4.87	-6.44	-7.76	-8.72	-9.29	-9.20	-8.20	-6.05	-2.88	0.17	2.13	3.40	4.47	4.70	4.33	3.99	4.32	5.71
36N	-3.90	-5.03	-5.89	-6.54	-6.96	-6.85	-5.88	-3.64	-0.35	2.57	4.10	4.78	5.17	4.72	3.38	2.17	1.72	1.90
32N	-2.88	-3.36	-3.56	-3.75	-3.92	-3.73	-2.78	-0.64	2.32	4.62	5.40	5.31	4.88	3.63	0.07	-1.00	-1.08	-1.30
28N	-1.76	-1.67	-1.38	-1.26	-1.24	-0.98	-0.12	1.61	3.78	5.17	5.24	4.58	3.58	1.06	-0.07	-1.00	-1.50	-1.99
24N	-0.74	-0.42	0.02	0.23	0.35	0.61	1.24	2.36	3.64	4.33	4.11	3.32	2.16	0.61	-1.09	-2.53	-3.64	-4.45
20N	-0.18	0.12	0.53	0.85	1.10	1.32	1.60	2.12	2.79	3.19	3.04	2.14	1.22	-0.14	-1.54	-2.76	-3.77	-4.69
16N	-0.13	0.02	0.41	0.93	1.37	1.48	1.38	1.48	1.89	2.31	2.34	1.76	0.74	-0.42	-1.59	-2.44	-3.51	-4.33
12N	-0.33	-0.29	0.05	0.72	1.29	1.29	0.94	0.87	1.28	1.80	1.93	1.44	0.58	-0.31	-1.21	-2.06	-2.69	-3.28
8N	-0.16	-0.17	-0.05	0.49	1.06	1.03	0.63	0.56	0.99	1.51	1.66	1.28	0.63	0.01	-0.50	-1.08	-1.50	-1.99
4N	0.05	0.04	0.02	0.29	0.65	0.68	0.47	0.39	0.51	0.73	0.91	0.87	0.56	0.09	-0.40	-0.68	-0.73	-1.01
0	-0.15	-0.12	0.02	0.05	0.01	0.11	0.27	0.13	-0.41	-0.80	-0.56	-0.01	0.15	-0.31	-0.98	-1.14	-0.74	-0.26
4S	-0.34	-0.28	0.07	-0.06	-0.51	-0.47	-0.05	-0.25	-1.35	-2.29	-2.03	-0.95	-0.35	-0.83	-1.70	-1.00	-0.88	0.32
8S	-0.09	-0.01	0.37	0.14	-0.55	-0.82	-0.60	-0.79	-1.87	-2.89	-2.72	-1.57	-0.81	-1.22	-1.90	-1.04	-0.83	0.71
12S	0.52	0.58	0.80	0.42	-0.50	-1.22	-1.26	-1.07	-1.37	-1.98	-2.09	-1.49	-1.03	-1.34	-1.81	-1.50	-0.49	0.99
16S	1.14	1.14	1.06	0.38	-0.85	-1.85	-1.75	-0.73	0.12	0.06	-0.49	-0.77	-0.88	-1.21	-1.46	-1.12	-0.18	1.05
20S	1.65	1.55	1.14	0.15	-1.31	-2.38	-1.95	-0.05	1.83	2.20	1.24	0.18	-0.45	-0.91	-1.11	-0.85	-0.16	0.75
24S	2.00	1.84	1.20	0.03	-1.54	-2.60	-1.86	0.65	3.09	3.66	2.48	1.06	0.12	-0.56	-0.91	-0.76	-0.34	0.26
28S	2.20	2.06	1.40	0.25	-1.31	-2.38	-1.57	1.03	3.47	4.02	2.92	1.62	0.64	-0.27	-0.86	-0.95	-0.57	-0.16
32S	2.27	2.20	1.68	0.73	-0.73	-1.89	-1.35	0.85	2.91	3.39	2.64	1.74	0.83	-0.24	-0.97	-0.94	-0.66	-0.29
36S	2.15	2.08	1.72	1.01	-0.31	-1.53	-1.35	0.26	1.82	2.24	1.87	1.33	0.40	-0.58	-1.26	-1.16	-0.69	-0.23
40S	1.73	1.60	1.33	0.81	-0.29	-1.43	-1.52	-0.49	0.55	0.85	0.71	0.36	-0.36	-1.25	-1.70	-1.44	-0.83	-0.20
44S	1.06	0.84	0.59	0.26	-0.54	-1.47	-1.76	-1.34	-0.86	-0.72	-0.77	-1.04	-1.62	-2.17	-2.29	-1.80	-1.11	-0.25
48S	0.40	0.00	-0.31	-0.48	-0.94	-1.61	-2.02	-2.17	-2.25	-2.29	-2.33	-2.61	-3.04	-3.20	-2.91	-2.37	-1.44	-0.38
52S	0.16	-0.54	-1.05	-1.22	-1.44	-1.81	-2.18	-2.63	-3.06	-3.24	-3.32	-3.66	-4.02	-3.86	-3.25	-2.53	-1.67	-0.62
56S	0.22	-0.78	-1.53	-1.83	-1.92	-1.95	-2.05	-2.42	-2.91	-3.18	-3.34	-3.73	-4.05	-3.76	-3.07	-2.42	-1.73	-0.91
60S	0.11	-1.00	-1.80	-2.14	-2.09	-1.80	-1.55	-1.68	-2.09	-2.43	-2.70	-3.09	-3.34	-3.08	-2.55	-2.12	-1.48	-1.13
64S	-0.26	-1.19	-1.76	-1.93	-1.71	-1.21	-0.74	-0.69	-1.01	-1.42	-1.78	-2.13	-2.31	-2.18	-1.65	-1.28	-1.57	-1.73
68S	-0.55	-1.08	-1.23	-1.09	-0.71	-0.18	0.23	0.27	-0.05	-0.52	-0.95	-1.26	-1.41	-1.44	-1.05	-1.48	-1.41	-1.18
72S	-0.15	-0.24	-0.07	0.25	0.61	0.92	1.03	0.88	0.50	0.02	-0.40	-0.70	-0.89	-1.03	-1.16	-1.28	-1.28	-1.14
76S	0.93	1.06	1.29	1.50	1.66	1.71	1.56	1.24	0.82	0.39	0.03	-0.27	-0.54	-0.77	-0.96	-1.15	-1.27	-1.14
80S	1.90	2.02	2.14	2.19	2.17	2.09	1.87	1.53	1.13	0.77	0.46	0.16	-0.16	-0.46	-0.72	-1.00	-1.26	-1.43
84S	2.23	2.27	2.28	2.23	2.14	2.03	1.86	1.58	1.28	1.00	0.75	0.47	0.16	-0.13	-0.42	-0.75	-1.09	-1.35
88S	1.79	1.76	1.70	1.63	1.54	1.44	1.34	1.18	0.99	0.83	0.67	0.47	0.25	0.06	-0.13	-0.36	-0.61	-0.81

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